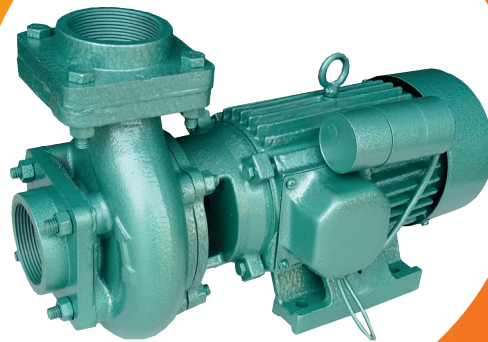




MAFFS PUMPS  
P V T L T D



- MANUFACTURE
- SERVICES PROVIDER
- EXPORTER
- PROJECT SUPPLIERS

Wide range of Domestic and Agriculture submersible pumps, solar pumps and pumps spare parts etc

# ABOUT Us



In continuation to our legacy journey as a customer centric company "Expert Engineering" which started in 2001, we are now delighted to expand our business portfolio to Domestic pumps & Agriculture & Solar & Solar Pumps spares under the name of "Maffs Pumps pvt ltd".

Maffs Pumps is an Indian based Pumps Manufacturing & Service company for the domestic & agriculture pumps, industries across the globe.

We have state of the art manufacturing facility to produce high quality Pumps & Pumps Spare to meet specific needs of the customers. This modern facility is supported by a specialized team of highly skilled staff who ensures of the quality and customer needs are met by complying to national & International standards.

We are involved in the Design, Manufacturing, Testing, Servicing and Supply of Domestic pumps & Agriculture & Solar & Solar Pumps spares. We work with the highest consideration for the health & safety of our people and minimize the environmental risk.

Maffs Pumps is accredited and complies with the Quality Management System ISO 9001.

Commitment

Safety

Quality

Customer Delight

## VALUES

Integrity i commitment  
I customer focus building relationship  
I teamwork

## VISION

Be a global leader in providing specialized products and services in flow control business with commitment in compliance with the requirements of our quality management system.

## MISSION

Our mission is to provide specialized products & services to our clients with delivery commitments to achieve customer delight.

## CODE OF CONDUCT

The code of conduct outlines Maffs commitment and requirement/regarding business practices and personal conducts.

## QUALITY POLICY

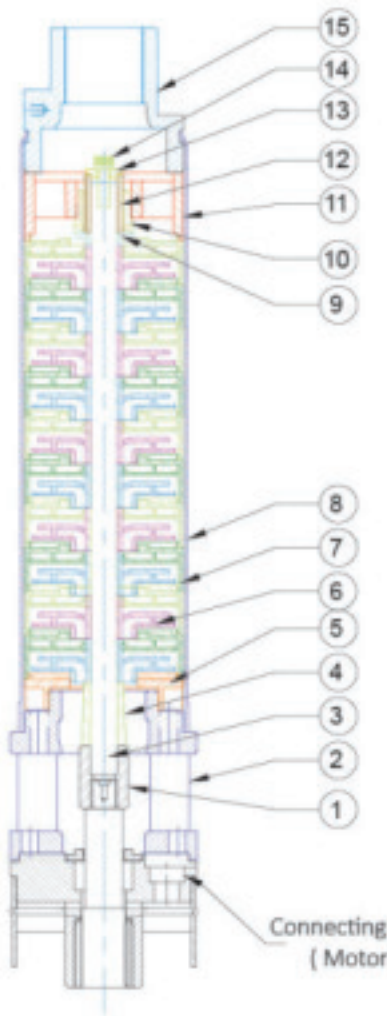
Our policy is to continously improve customer satisfaction by supplying high quality products as committed is compliance with the requirements of our Quality Managment System.

### **Our Objectives Are:**

- Improve customer satisfaction
- Improve in time delivery
- Successful completion audits
- Reduce cutomers complaints
- Improve delivery lead times

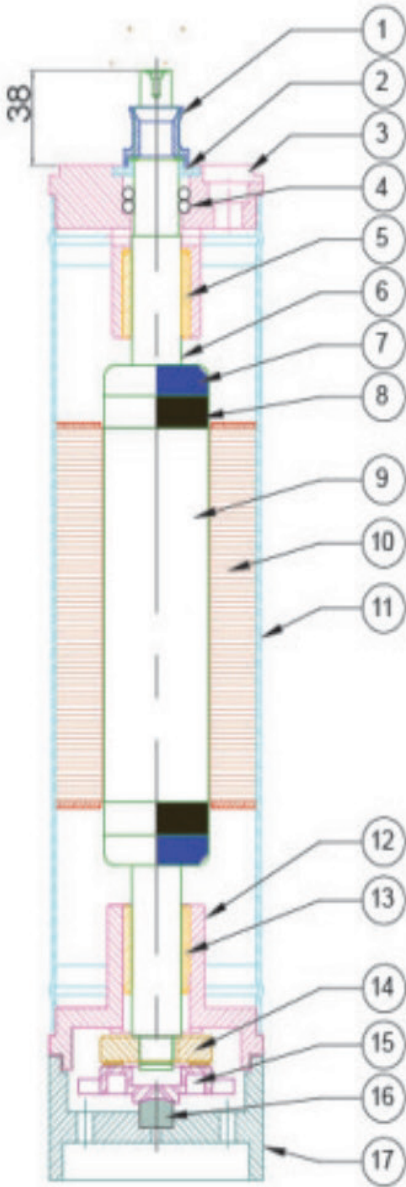


# V4 PUMP ASSEMBLY (NR4)



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Intermediate Piece	C.I (FG-200)
3	Pump Shaft	S.S-410
4	distance sleeve	P.P
5	Intermediate plate	P.P
6	impeller	P.P
7	stage casing	P.P
8	pump jacket	S.S-410
9	counter washer	S.S-410
10	counter bearing bush	L.T.B - 4
11	discharge out let	C.I (FG-200)
12	upper sleeve	S.S-410
13	top washer	S.S-410
14	allen bolt	S.S-410
15	N.R.V body	C.I (FG-200)

# V4 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	rubber seal cap	nitrile
2	S.S cap	C.I (FG-200)
3	upper brg housing	S.S-410
4	oil seal	P.P
5	upper bearing bush	P.P
6	rotor	P.P
7	balance ring	P.P
8	alluminium (dia cast)	S.S-410
9	rotor stamping	S.S-410
10	stator tube	L.T.B - 4
11	lower brg housing	C.I (FG-200)
12	lower brg bush	S.S-410
13	trust pad	S.S-410
14	trust bearing	S.S-410
15	rocker support	C.I (FG-200)
16	motor base	C.I (FG-200)

# V4 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NV4 (RADIAL FLOW)	
NOMINAL OUTLET SIZE	MM	25/32/38
(IN BSP THREADS)	INCH	1.0/1.25/1.50

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NV41	0.5-1.5	8 to 58	43 to 13	19 to 120
NV42	0.5-2.0	6 to 25	64 to 30	14 to 120
NV44	0.75-2.0	7 to 22	96 to 45	17 to 96
NV45	0.75-3.0	5 to 22	145 to 76	12 to 96
NV47	1.0-5.0	5 to 25	179 to 121	12 to 120

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NV41	0.5-1.5	8 to 58	43 to 13	19 to 120
NV42	0.5-2.0	6 to 25	64 to 30	14 to 120
NV44	0.75-2.0	7 to 22	96 to 45	17 to 96
NV45	0.75-3.0	5 to 22	145 to 76	12 to 96
NV47	1.0-5.0	5 to 25	179 to 121	12 to 120

# V4 MOTOR ASSEMBLY

Per stage head		4MTR
MAX. OUTSIDE DIAMETER		9MM
METHOD OF STARTING	SP	CSCR
	TP	DOL
RPM		2760
VERSION AC SUPPLY	SP	160 to 230v
	TP	350 to 415v
DEGREE OF PROTECTION	IP-58	
DUTY CYCLE		S1(CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



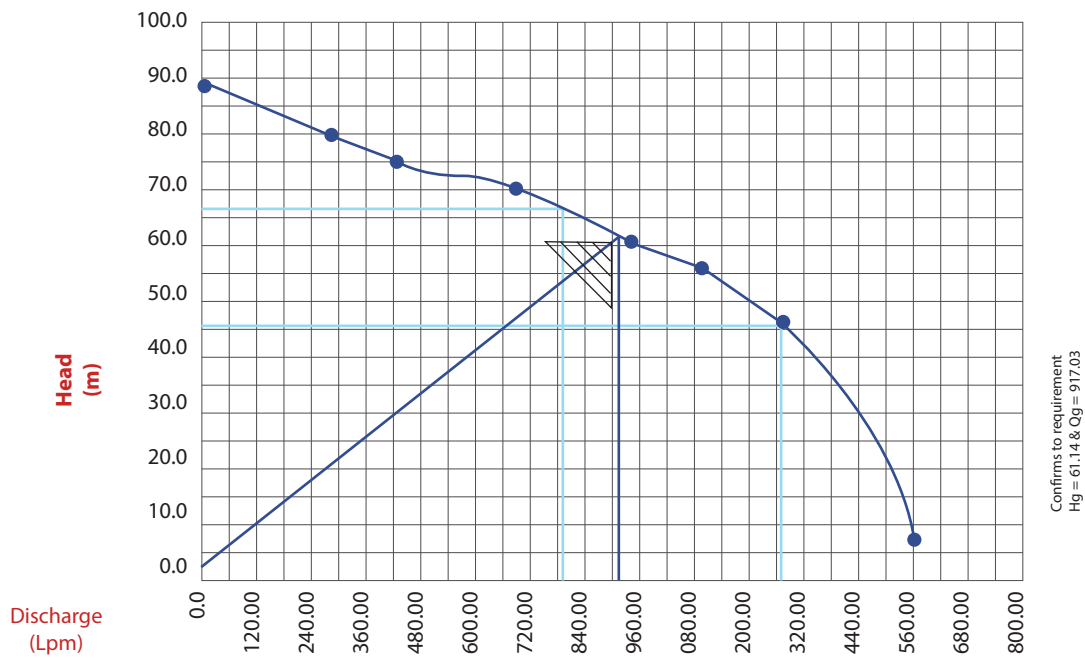
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 0.5 to 5 HP in S.P and T.P  
 Wide operating voltage range

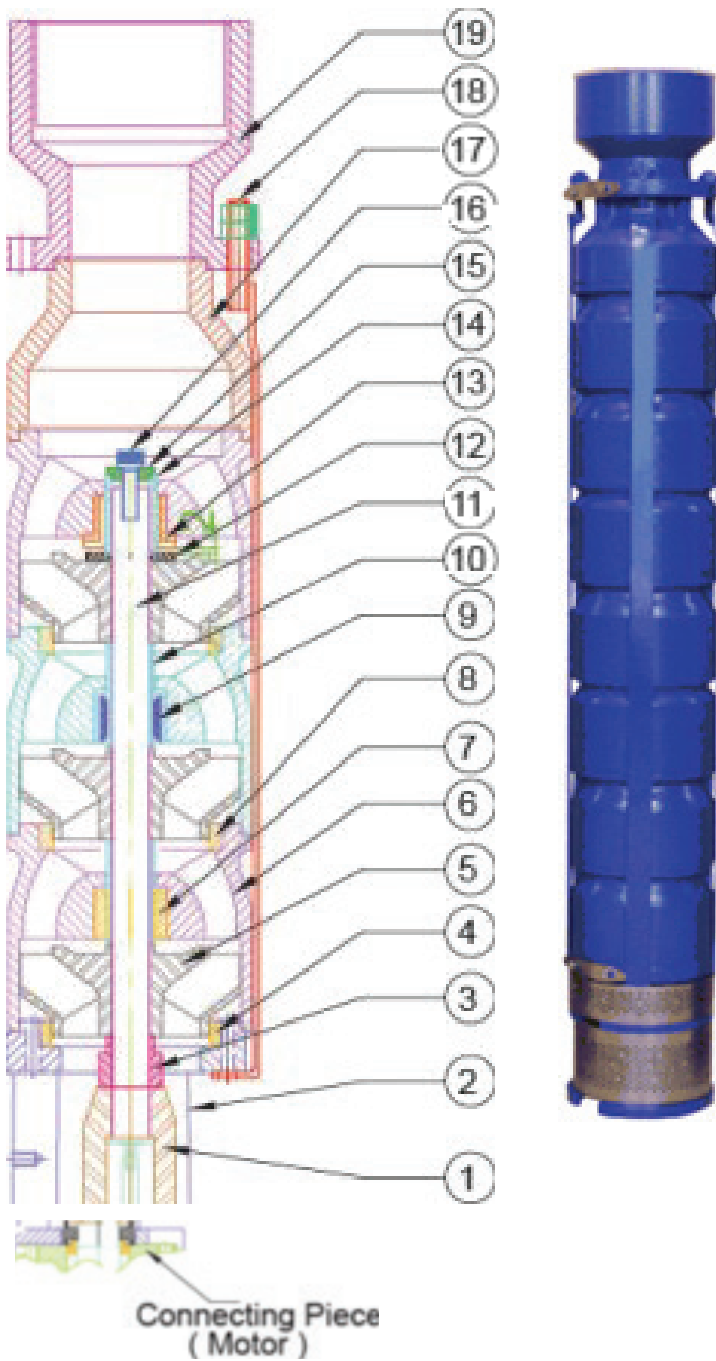


## SPECIAL OPTIONS

Also available in nema standard.  
 Complete ss construction for seawater



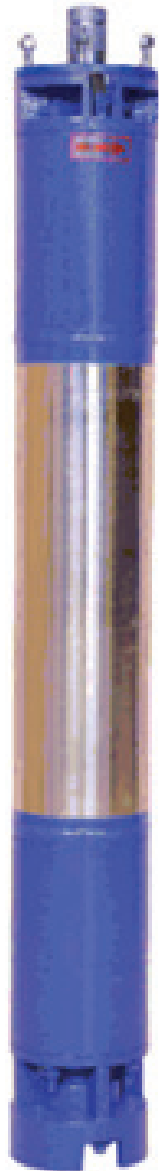
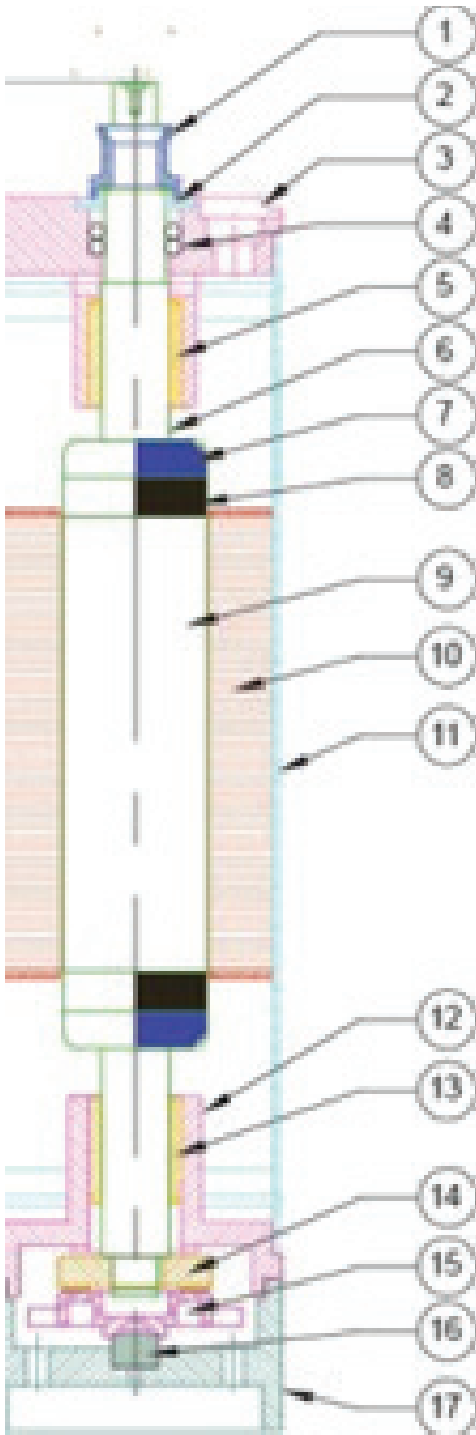
# V4 PUMP ASSEMBLY (NM4)



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Intermediate Piece	C.I (FG-200)
3	Distance Spacer	S.S-410
4	Neckring	White Teflon
5	Impeller	S.S- 410
6	Stage Casing	C I ( FG-200)
7	Bearing Bush	S.S-410
8	Neckring	Nitrile Rubber
9	Rubber Bearing Bush	Nitrile Rubber
10	Upper Sleeve	s.s- 410
11	Pump Shaft	S.S-410
12	Counter Washer	S.S-410
13	Counter Bearing Bush	L.T.B- 4
14	Top Sleeve	S.S- 410
15	Top Washer	S.S- 410
16	Allen Baut	S.S- 410
17	N.R.V Joint	C.I ( FG-200)
18	Clamping Stud	M.S.
19	N.R.V Body	C.I ( FG-200)



# V4 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	rubber seal cap	nitrile
2	S.S cap	S.S- 410
3	upper brg housing	C.I ( FG-200 )
4	oil seal	Nitrile & S.S
5	upper bearing bush	L.T B- 4
6	rotor	
7	balance ring	C.I ( FG-200 )
8	alluminium (dia cast)	E.C Grade
9	rotor stamping	CRNO
10	stator Stamping	CRNO
11	Stator Tube	S.S- 202 ( 1% Ni- J4 )
12	Lower Brg Housing	C.I ( FG-200 )
13	Lower Brg Bush	L.T.B- 4
14	Thrust Pad	S.S + Teflon
15	Thrust Bearing	C.i & S.S ( Fix Segment }
16	Rocker Support	S.S- 410
17	Motor Base	C.I ( FG-200 )

# V4 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NV4 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	38/50
(IN BSP THREADS)	INCH	1.5/2

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NVM412	3 to 5	10 to 20	270 to 70	10 to 88
NVM418	3 to 5	7 to 14	460 to 16	7 to 56

Per stage head			3MTR
MAX. OUTSIDE DIAMETER			97 MM
METHOD OF STARTING	SP	CSCR	
	TP	DOL	
RPM			2760
VERSION AC SUPPLY	SP	160 to 230v	
	TP	350 to 415v	
DEGREE OF PROTECTION			IP-58
DUTY CYCLE			S1(CONTINUOUS)
DIRECTION OF ROTATION			ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR	0.15 m/sec		

# V4 MOTOR ASSEMBLY



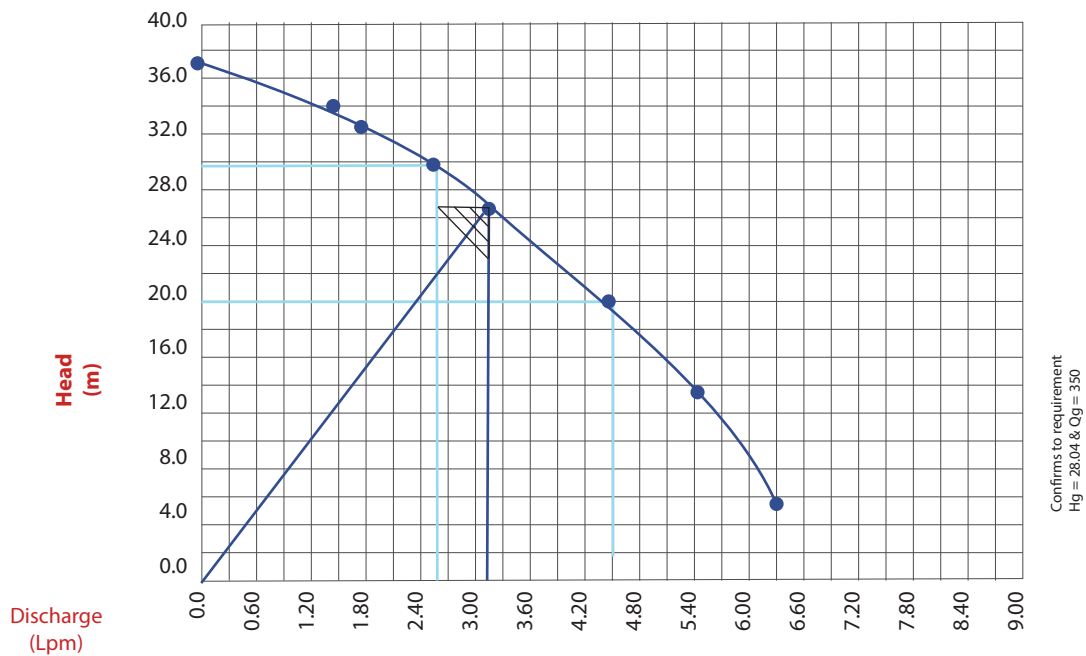
## SALIENT FEATURES

- Confirm to IS 8034: 2002
- Energy efficient pumpsets
- Easy to dismantle and repair
- Available from 3 to 5 HP in S.P. AND TP.
- Wide operating voltage range

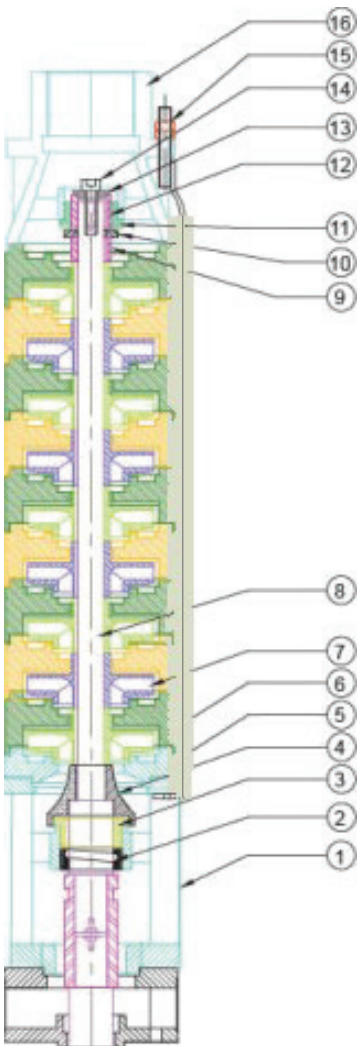


## SPECIAL OPTIONS

- Also available in NEMA standard.
- Complete SS construction for seawater

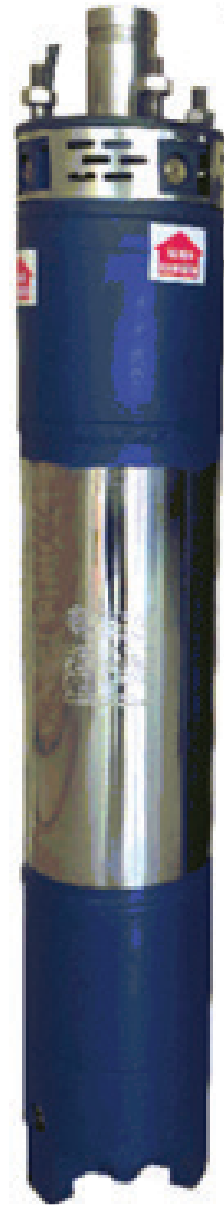
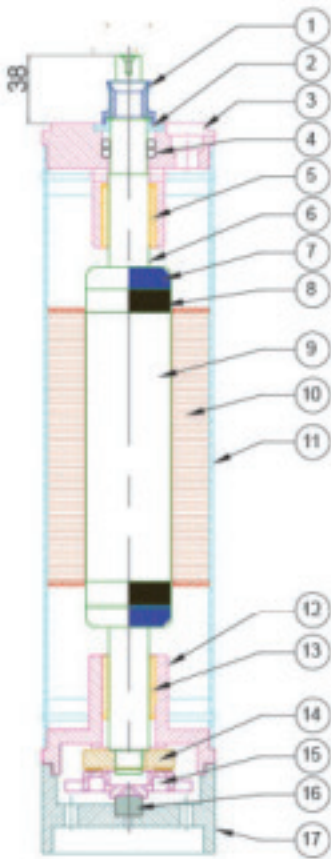


# V5 PUMP ASSEMBLY (NR5)



SR NO	Part's Name	Material
1	Intermediate Piece	C.I (FG-200)
2	Intermediate Bush	Nitrile Rubber
3	Intermediate Bush	L.T.B- 4
4	Sand Guard	C I (FG-200)
5	Intermediate Plate	C I (FG-200)
6	Stage Casing	C I (FG-200)
7	Impeller	S.S-410
8	Pump Shaft	S.S-410
9	Upper Sleeve	S.S-410
10	Counter Washer	s.s- 410
11	Counter Bearing Bush	L.T.B- 4
12	Top Sleeve	S.S-410
13	Top Washer	S.S-410
14	Allen Bolt	S.S- 410
15	Clamping Stud	M.S.
16	N.R.V. Body	C I (FG-200)

# V5 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	couple	S.S- 410
2	Rotor Shaft	S.S- 410
3	Connecting Piece	C.I ( FG-200 )
4	Rubber Seal Cap	Nitrile
5	S.S Cap	S.S- 207
6	Oil Seal	Nitrile & S.S.
7	Upper Brg Housing	C.I ( FG-200 )
8	Bearing Bush	L.T.B- 4
9	Rotor	----
10	Balance Ring	C.I ( FG-200 )
11	Copper Ring	E.C Grade
12	Stud ring	M.S forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S- 202 {Ni - 14}
16	Lower Brg Housing	C.I ( FG-200 )
17	Lower Brg Bush	L.T.B- 4
18	Thrust Pad	S.S. +Teflon
19	Thrust Bearing	C.I. & S.S. {Fix Segment}
20	Rocker Support	S.S- 410
21	Motor Base	C.I ( FG-200 )
22	P.C.D. .Cup	Nitrile
	Motor Base Cover	C.I ( FG-200 )

# V5 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NV4 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	50
(IN BSP THREADS)	INCH	2

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NR5-50	3 - 10	6 to 20	190 to 50	30 to 180
NR5-60	3 - 10	5 to 16	230 to 90	25 to 144
NR5-80	3 - 10	4 to 12	270 to 190	22 to 108
NR5-100	3 - 10	3 to 10	340 to 250	15 to 90

Per stage head		7 MTR
Max. OUTSIDE DIAMETER		125 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2850
VERSION AC SUPPLY	TP	350 TO 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1(CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR	0.15 m/sec	

# V5 MOTOR ASSEMBLY



## SALIENT FEATURES

Confirm to IS 8034: 2002

Energy efficient pumpsets

Easy to dismantle and repair

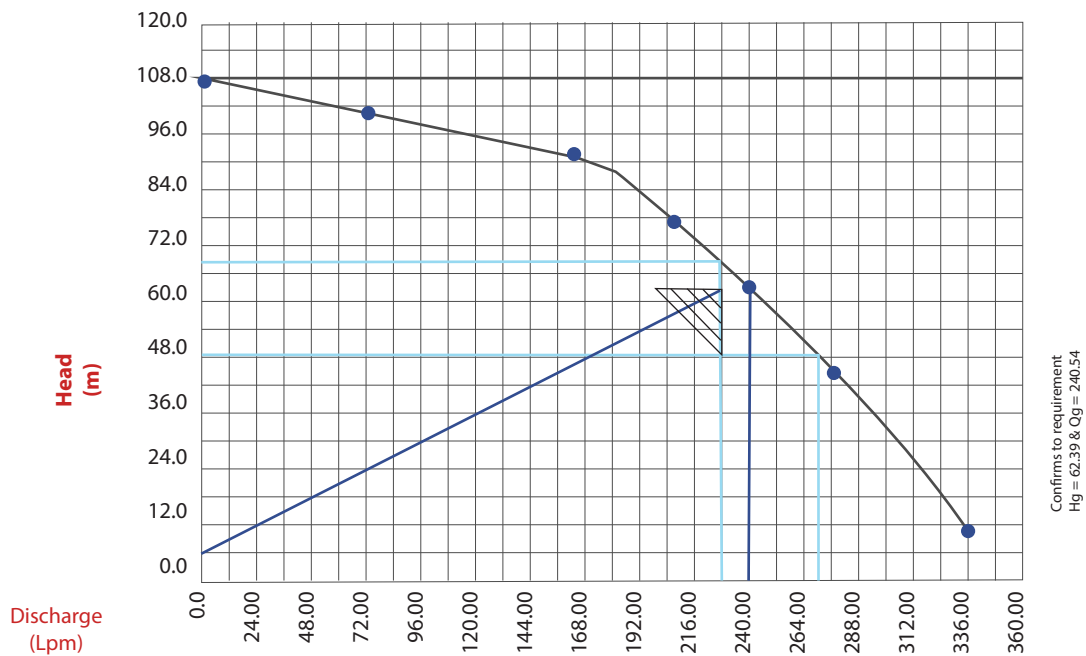
Available from 3 to 5 HP in TP.



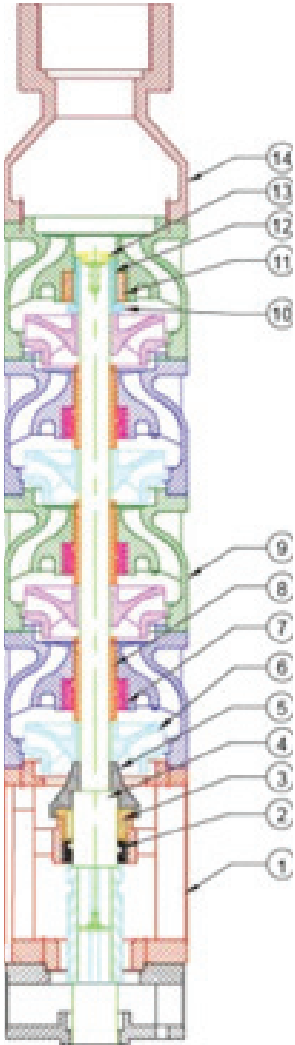
Wide operating voltage range

## SPECIAL OPTIONS

Also available in NEMA standard.



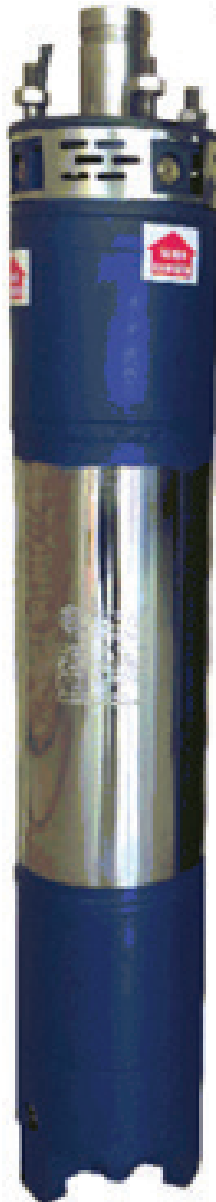
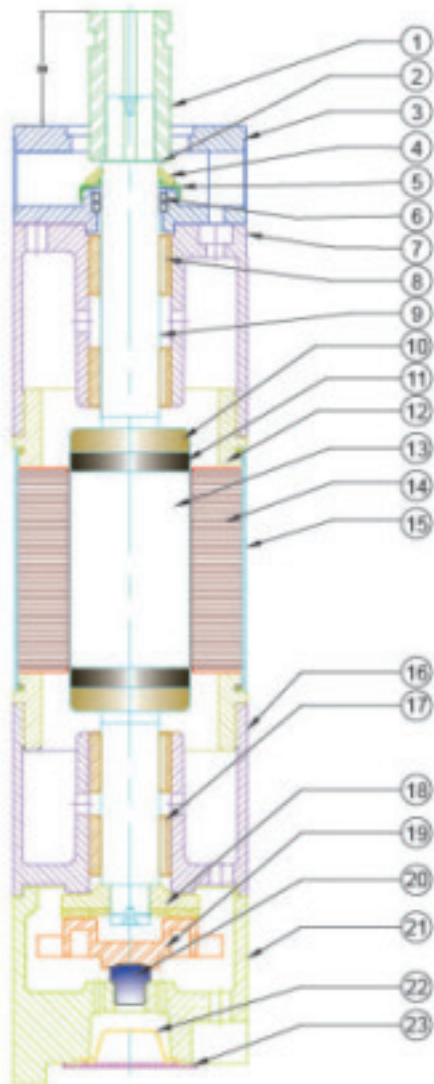
# V5 PUMP ASSEMBLY (NM5)



SR NO	Part's Name	Material
1	Intermediate Piece	C.I (FG-200)
2	Intermediate Bush	Nitrile
3	Intermediate Bush	L.T.B- 4
4	Pump Shaft	S.S-410
5	Sand Guard	C.I (FG-200)
6	Upper Sleeve	S.S-410
7	Impeller	S.S-410
8	Rubber Bush ( For Bowl )	Nitrile
9	Sleeve	s.s- 410
10	Stage Casing	C.I (FG-200)
11	Top Washer	S.S-410
12	Top Bush	L.T.B- 4
13	Top Sleeve	S.S- 410
14	Check Nut	S.S- 410
15	N.R.V. Body	C.I (FG-200)



# V5 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	couple	S.S- 410
2	Roror Shaft	S.S- 410
3	Connecfing Piece	C.I ( FG-200 )
4	Rubber Seal Cap	Nitrile
5	5.S Cap	S.S- 202
6	Oil Seal	Nitrile & S.S.
7	Upper Brg Housing	C.I ( FG-200 )
8	Bearing Bush	L.T.B- 4
9	Rotor	----
10	Balance Ring	C.I ( FG-200 )
11	Copper Ring	E.C Grade
12	Stud ring	M.S forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S- 202 {1% Ni - 14}
16	Lower Brg Housing	C.I ( FG-200 )
17	Lower Brg Bush	L.T.B- 4
18	Thrust Pad	S.S. +Teflon
19	Thrust Bearing	C.I. & S.S. {Fix Segment}
20	Rocker Support	S.S- 410
21	Motor Base	C.I ( FG-200 )
22	P..C.D. .Cup	Nitrile
23	Motor Base Cover	C.I ( FG-200 )

# V5 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NM5 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	50
(IN BSP THREADS)	INCH	2

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NR5-50	3 - 10	6 to 20	190 to 50	30 to 180
NR5-60	3 - 10	5 to 16	230 to 90	25 to 144
NR5-80	3 - 10	4 to 12	270 to 190	22 to 108

Per stage head		7 MTR
MAX. OUTSIDE DIAMETER		125 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2850
VERSION AC SUPPLY	TP	350 TO 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1(CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR	0.10 m/sec	

# V5 MOTOR ASSEMBLY



## SALIENT FEATURES

Confirm to IS 8034: 2002

Energy efficient pumpsets

Easy to dismantle and repair

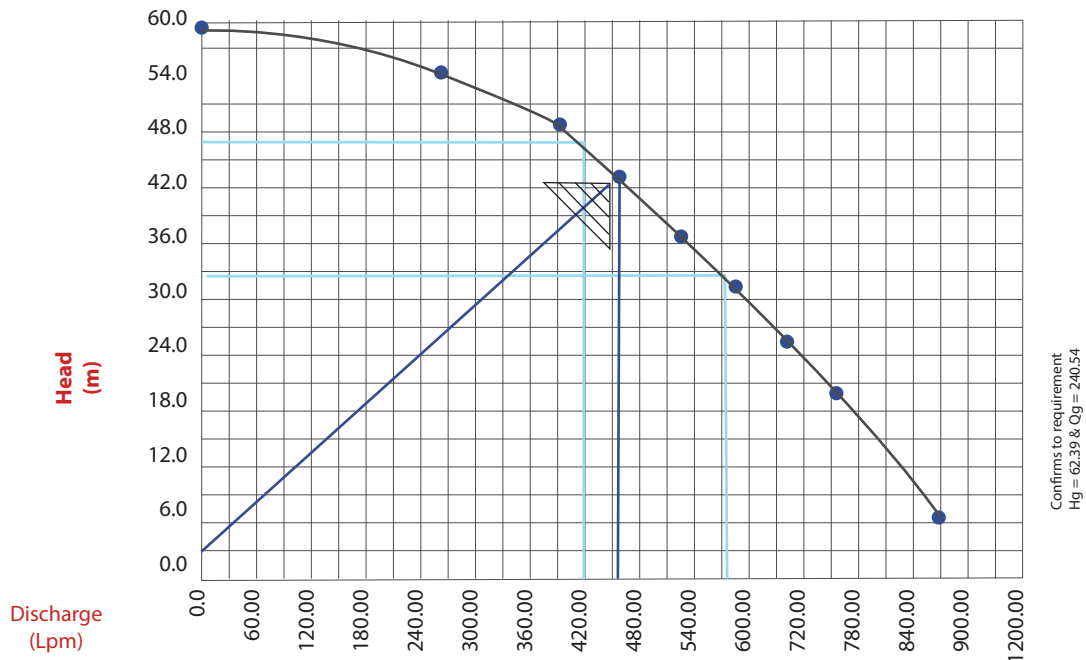
Available from 3 to 5 HP in TP.



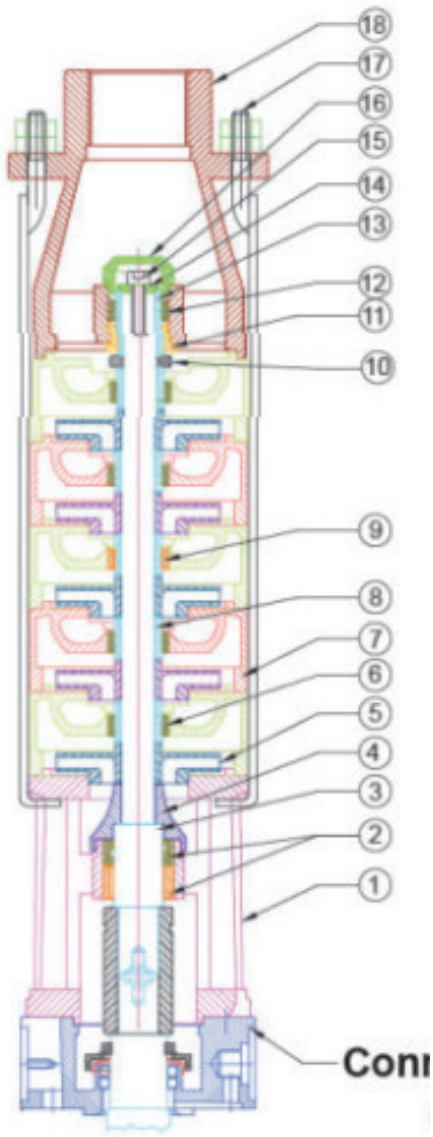
Wide operating voltage range

## SPECIAL OPTIONS

Also available in NEMA standard.

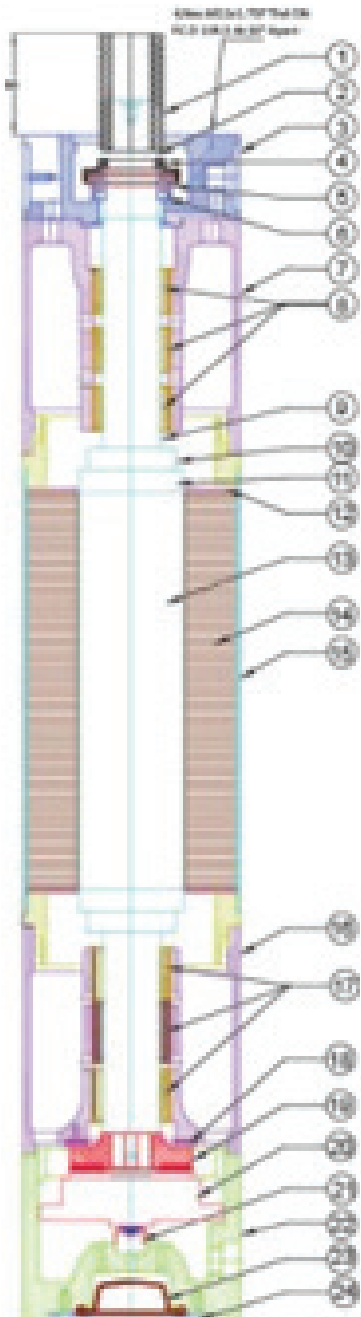


# V6 PUMP ASSEMBLY (NR6) STD



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 ) As IS 210
2	Intermediate Bush	Nitrite Rubber + L.T.B- 4 As IS 318
3	Pump Shaft	S.S- 410 As PSI 410
4	Sand Guard	C.I ( FG-200 ) As IS 210
5	Impeller	S.S- 410 ( Moulded )
6	RubberBush	Nitrile Rubber
7	stage casing	C.I ( FG-200 ) As IS 210
8	Upper Sleeve	S.S - 410 As AISI 410 { with Hard Crome 100 Micron)
9	Bearing Bush	L.T.8- 4 As IS 3T8
10	Counter Washer	S.S- 410 As AISI 410 ( With Grinding
11	Counter Bearing Bush	LIB - 4 As IS 318
12	Rubber Bush ( D.D.L)	Nitrile Rubber
13	Top Sleeve	S.S- 410 As AISI 410 (With Hard Crrrle ISO Micron
14	Top Washer	S.S- 410 As AISI 410
15	Allen Balt	S.S- 410 As AISI 410
16	Sdnd Seal Cap	H.D.PE
17	Clamping Stud	M.S (Hardngd 8< Width- 20MU & Thicnkess-5MM)
18	N.R.V Body	C.I ( FG-200 ) As IS 210

# V6 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	-----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	CRNO
13	Rotor Stamping	CRNO
14	Stator Stamping	S.S-202 (1% Ni-14)
15	Stator Tube	C.I (FG-200)
16	Lower Brg Housing	L.T.B - 4 + Nitrile Rubber
17	Lower Brg Bush	Hylam Pad
18	Counter Bearing	Six Segment Carbon Pad
19	Thrust Pad	S.S- 410
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V6 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NV4 (RADIAL FLOW)	
NOMINAL OUTLET SIZE	MM	50
(IN BSP THREADS)	INCH	2

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NR6-30	3-10	8 to 32	190 to 80	28 to 258
NR6-40	3-12.5	6to30	230 to 85	21 to 252
NR6-50	3-15	5 to 30	260 to155	18 to 263
NR6-60	3-20	5 to 32	310 to 165	18 to 280
NR6-70	3-22.5	4 to 32	375 to 175	14 to 280
NR6-80	4-25	5 to 30	430 to 120	20 to 288
NR6-100	3-25	3 to 25	435 to 270	12 to 250

# V6 MOTOR ASSEMBLY

Per stage head		7/8 MTR
MAX. OUTSIDE DIAMETER		142 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1 (CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



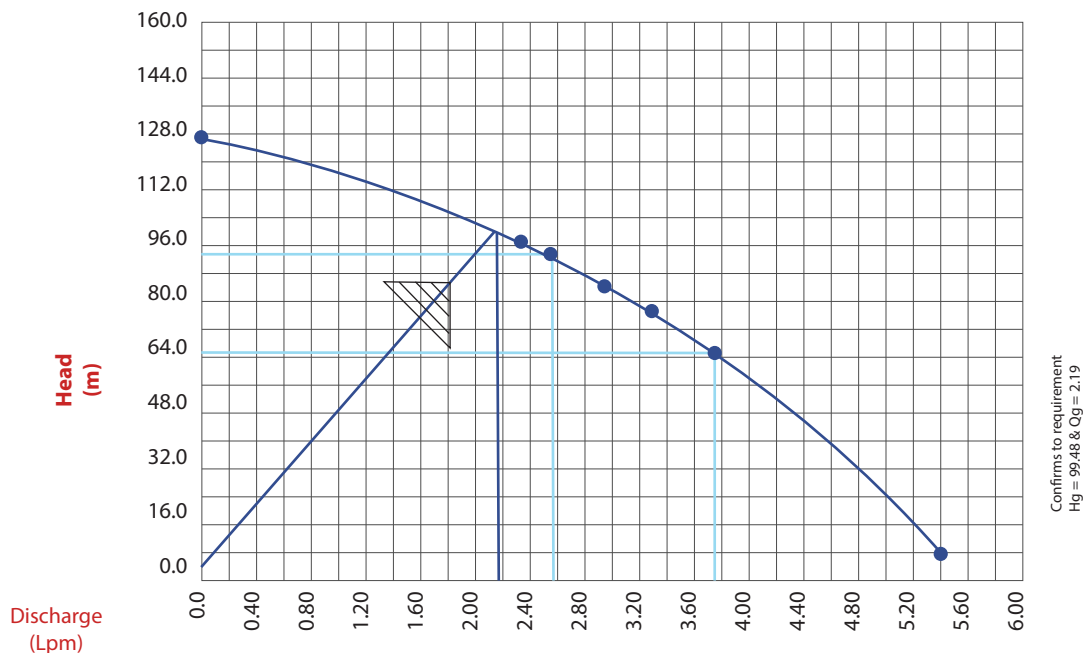
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 0.5 to 5 HP in S.P and T.P  
 Wide operating voltage range

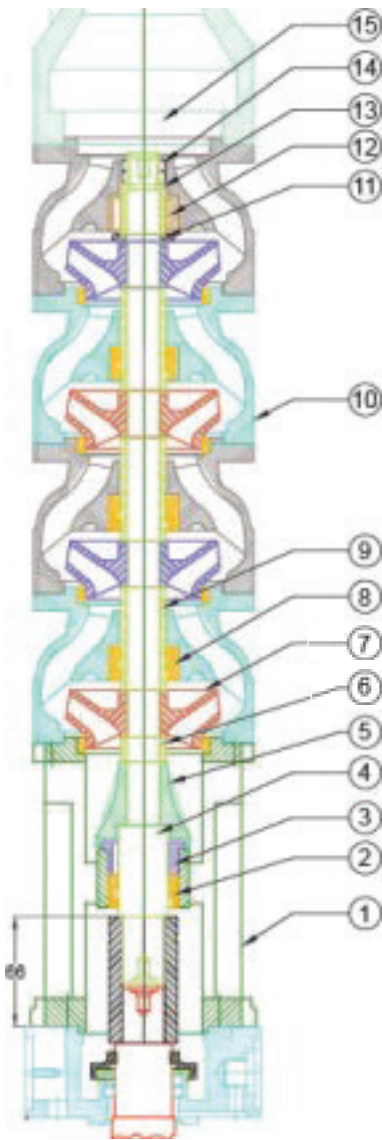


## SPECIAL OPTIONS

Also available in NEMA standard.  
 Also available in single phase upto 6 hp



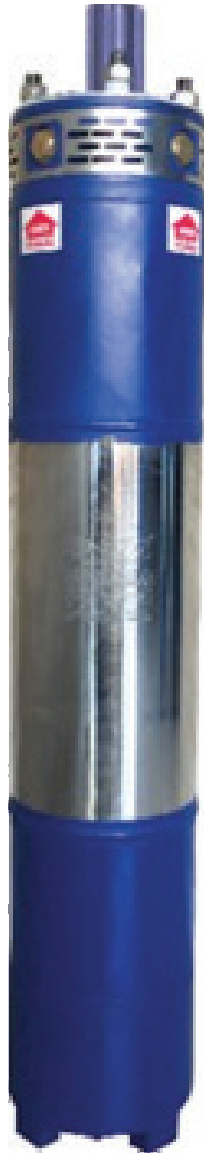
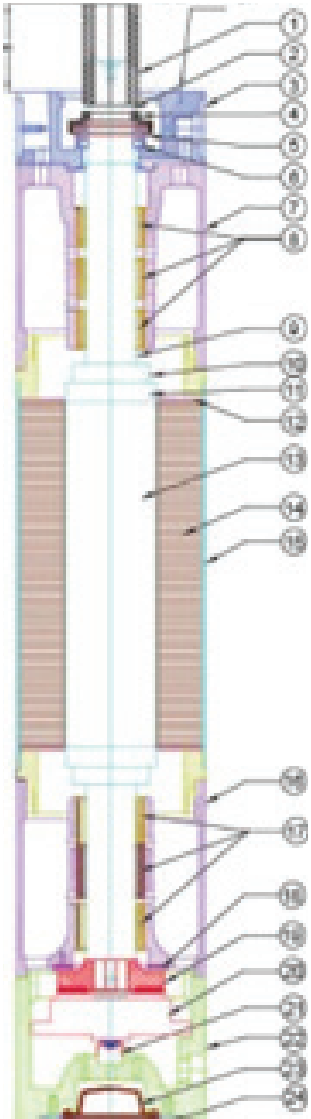
# V6 PUMP ASSEMBLY (NM6) STD



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 ) As IS 210
2	Intermediate Bush	Nitrite
3	Intermediate Bush	L.T.8- 4
4	Pump Shaft	S.S- 410
5	Sand Guard	C.I ( FG-200)
6	Upper Sleeve	S.S- 410
7	Impeller	S.S- 410
8	Rubber Bush ( For Bowl )	Nitrite
9	Sleeve	S.S - 410
10	Stage Casing	C.I ( FG-200)
11	Top Washer	S.5- 410
12	Top Bush	L.T.8- 4
13	Top Sleeve	S.5- 410
14	Check Nut	S.5- 410
15	N.R.V. Body	C.I ( FG-200)



# V6 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	M.S. Forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S-202 (1% Ni-14)
16	Lower Brg Housing	C.I (FG-200)
17	Lower Brg Bush	L.T.B - 4 + Nitrile Rubber
18	Counter Bearing	Hylam Pad
19	Thrust Pad	S.S. + Carbon
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V4 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NM6 (RADIAL FLOW)	
NOMINAL OUTLET SIZE	MM	63/75
(IN BSP THREADS)	INCH	2.5/3

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NM6-10	3-20	3 to 20	500 to 155	11 to 182
NM6-12	4-25	3 to 20	745 to 160	11 to 180
NM6-15	3-25	2 to 16	870 to 375	7 to 146
NM6-20	4-25	2 to 12	1070 to 480	7 to 109
NM6-25	5-25	2 to 10	1200 to 625	8 to 100
NM6-30	6-25	2 to 8	1380 to 600	8 to 80
NM6-40	7.5-25	2 to 6	1550 to 700	8 to 60

# V4 MOTOR ASSEMBLY

Per stage head		7/8 MTR
MAX. OUTSIDE DIAMETER		142 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1 (CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



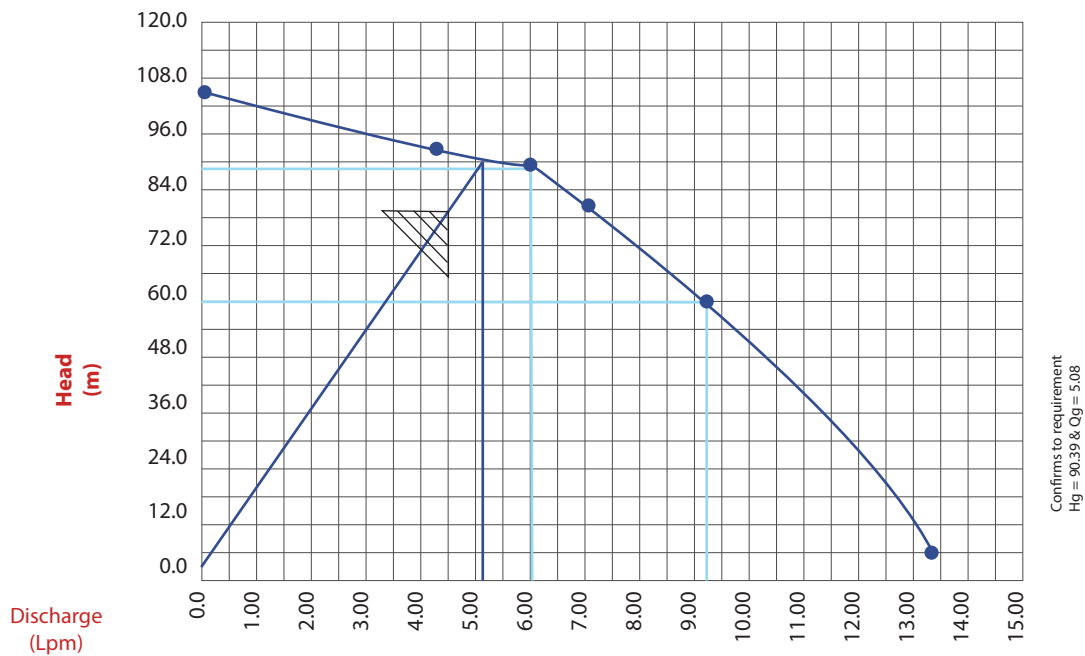
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 0.5 to 5 HP in S.P and T.P  
 Wide operating voltage range

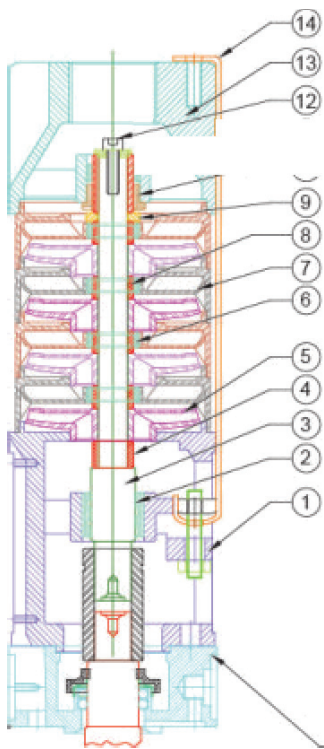


## SPECIAL OPTIONS

Also available in NEMA standard.  
 Also available in single phase upto 6 hp



# V6 PUMP ASSEMBLY (NRH6) HH

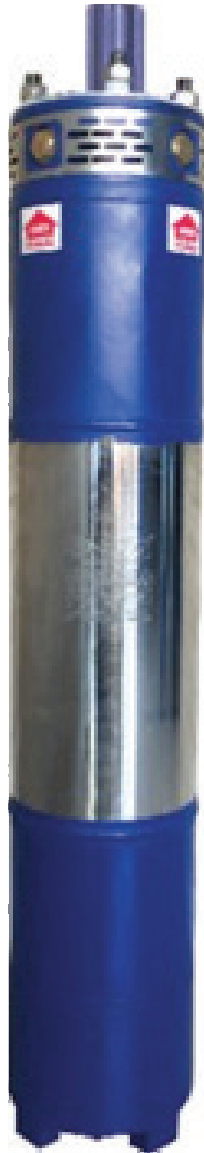
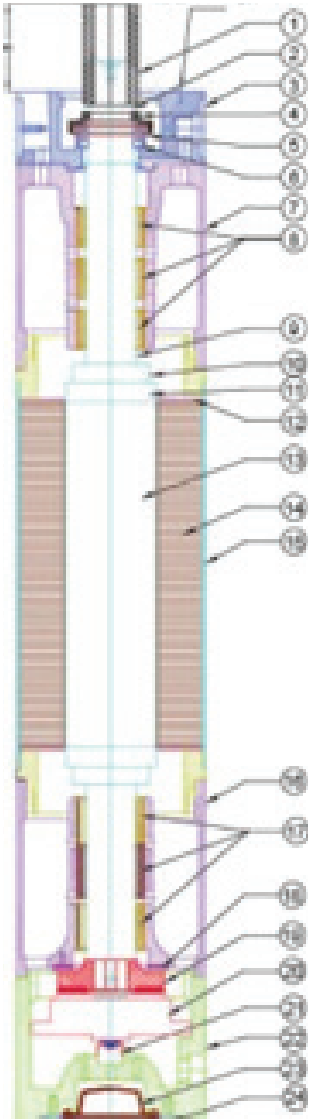


Connecting Piece  
(Motot)



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 ) As IS 210
2	Intermediate Bush	Nitrite Rubber
3	Pump Shaft	S.S- 410
4	Sleeve With Hard Crome	S.S- 410
5	Impeller	S.S- 410
6	Rubber Bush	Nitrite Rubber
7	Stage Casing	S.S- 304 & 202
8	Sleeve With hard Crome	S.S- 410
9	Top Washer	S.S - 410
10	Counter Bearing Bush	L.T.8- 4
11	Rubber Bush ( D.O.L )	Nitrite Rubber
12	Allen Bait	S.S- 304
13	N.R.V. Body	C.I ( FG-200 )
14	Camping Stud	S.S- 202

# V6 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	M.S. Forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S-202 (1% Ni-14)
16	Lower Brg Housing	C.I (FG-200)
17	Lower Brg Bush	L.T.B - 4 + Nitrile Rubber
18	Counter Bearing	Hylam Pad
19	Thrust Pad	S.S. + Carbon
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V6 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NRH6 (RADIAL FLOW)	
NOMINAL OUTLET SIZE	MM	50/65
(IN BSP THREADS)	INCH	2/2.5

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NRH-50	3-15	6 to 30	175 to 60	48 to 420
NRH-60	3-17.5	5 to 26	210 to 90	40 to 364
NRH-80	3-25	4 to 30	275 to 120	32 to 420
NRH-100	3-30	3 to 30	350 to 180	24 to 420
NRH-125	4-30	3 to 25	490 to 225	24 to 350
NRH-150	5-25	3 to 18	252 to 250	24 to 252
NRH-200	6-30	3 to 15	635 to 420	24 to 210

# V6 MOTOR ASSEMBLY

Per stage head		11 MTR
MAX. OUTSIDE DIAMETER		147 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1 (CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



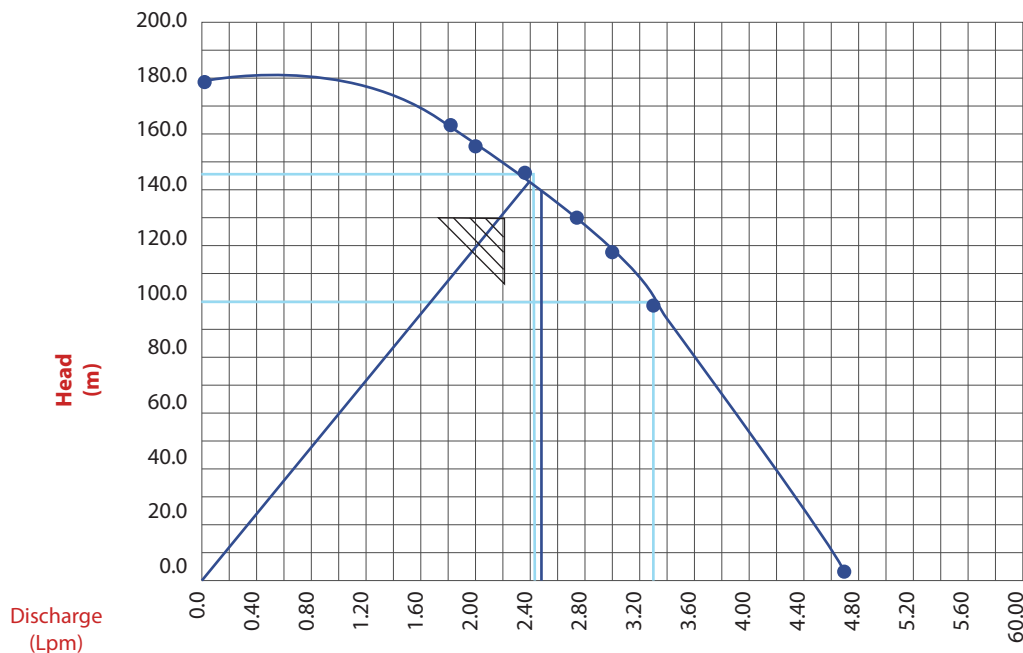
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 3 to 30 HP in S.P and T.P  
 Wide operating voltage range



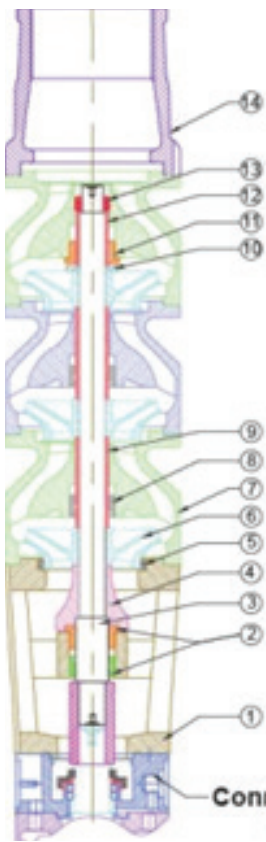
## SPECIAL OPTIONS

Also available in NEMA standard.  
 Also available in single phase upto 6 hp



Confirms to requirement  
 $H_g = 144.41$  &  $Q_g = 2.46$

# V6/V7 PUMP ASSEMBLY (NM7)



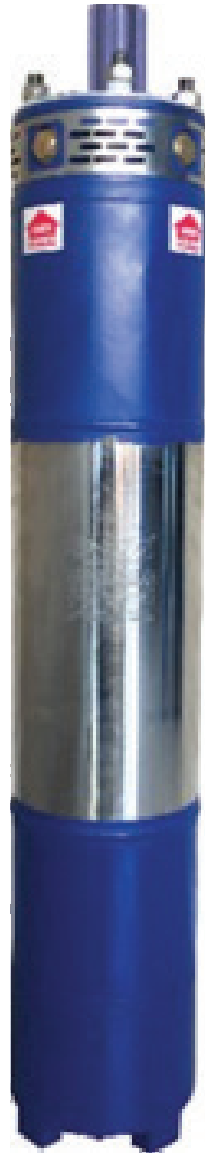
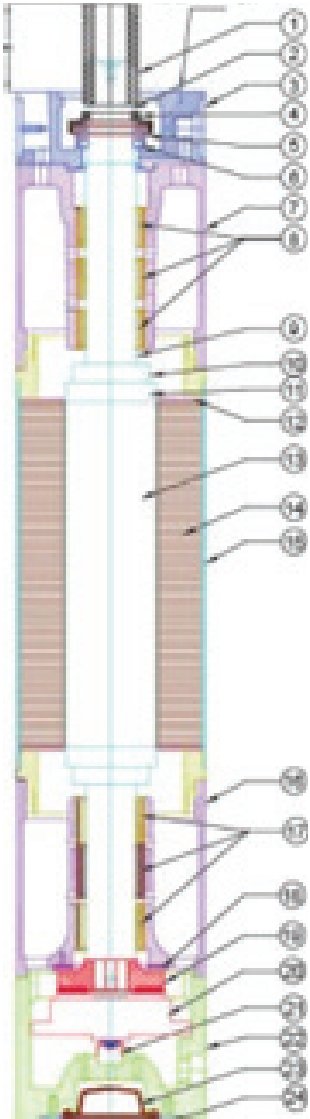
Connecting Piece  
( Motor )



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 )
2	Intermediate Bush	Nitrite Rubber & L.T.8- 4
3	Pump Shaft	S.S- 410
4	Sand Guard	C.I ( FG-200 )
5	Neck Ring	S.S- 410
6	Impeller	S.S- 410
7	Stage Casing	C.I ( FG-200 )
8	Rubber Bush	Nitrite Rubber & L.T.8- 4
9	Upper Sleever	S.S - 410
10	Counter Wash	S.S - 410
11	Counter Bearing Bush	L.T.8- 4
12	Top Sleeve	S.S - 410
13	Check Nut	S.S - 410
14	N.R.V. Body	C.I ( FG-200 )



# V6 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	M.S. Forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S-202 (1% Ni-14)
16	Lower Brg Housing	C.I (FG-200)
17	Lower Brg Bush	L.T.B - 4 + Nitrile Rubber
18	Counter Bearing	Hylam Pad
19	Thrust Pad	S.S. + Carbon
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V6 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NM7 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	100
(IN BSP THREADS)	INCH	4

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NM7-25	5-25	2 to 10	1135 to 525	16to 125
NM7-30	6-25	2 to 8	1240 to 600	16 to 100
NM7-40	7.5-25	2 to 6	1640 to 735	16 to 76
NM7-50	5-25	1 to 5	1765 to 1030	8 to 62
NM7-65	6-25	1 to 4	1865 to 1130	8 to 50

# V6 MOTOR ASSEMBLY

Per stage head		10 MTR
MAX. OUTSIDE DIAMETER		166 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1 (CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



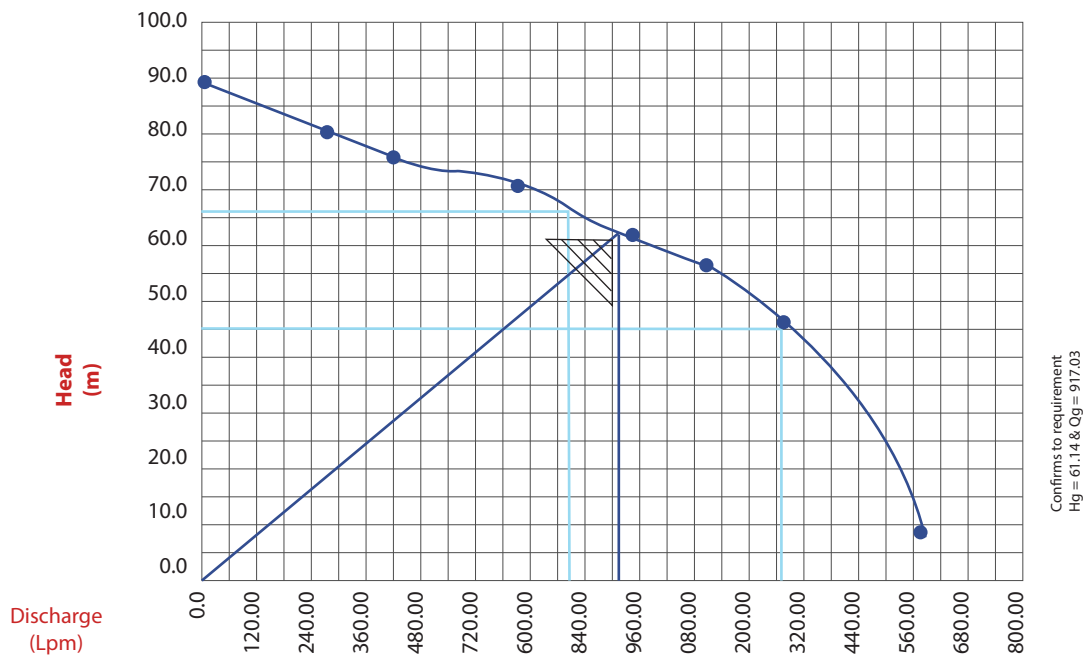
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 3 to 25 HP in S.P and T.P  
 Wide operating voltage range

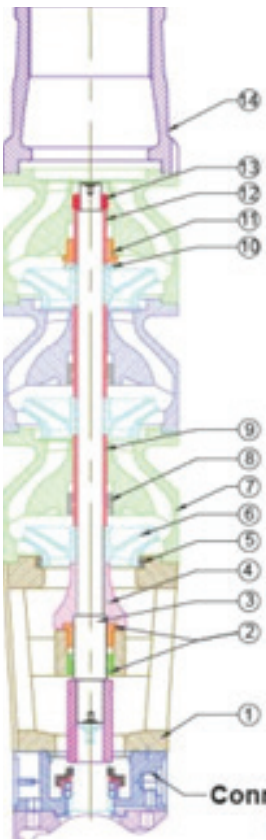


## SPECIAL OPTIONS

Also available in NEMA standard.



# V6/V8 PUMP ASSEMBLY (NM68)

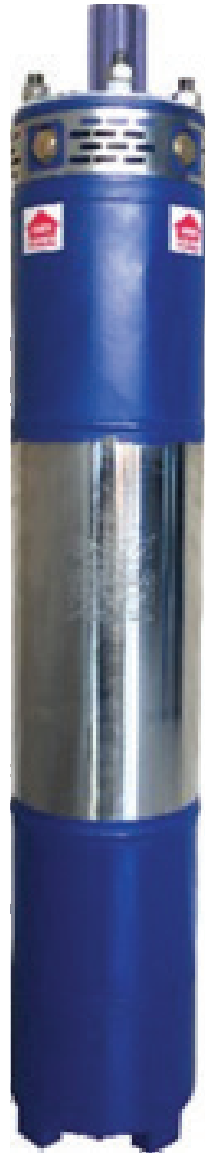
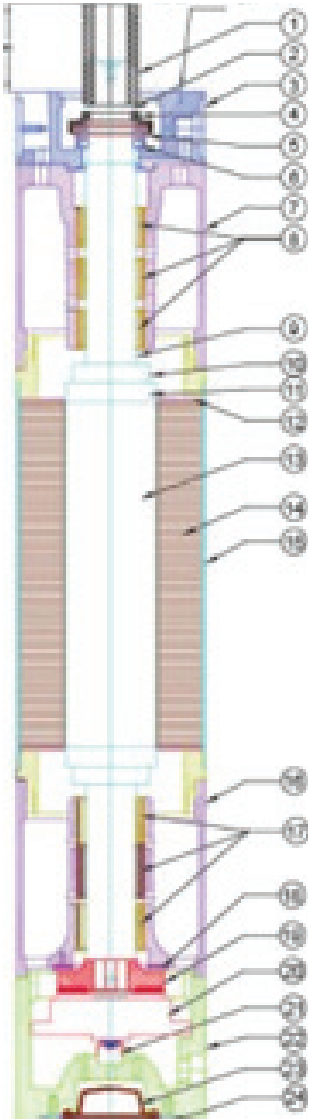


Connecting Piece  
( Motor )



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 )
2	Intermediate Bush	Nitrite Rubber & L.T.8- 4
3	Pump Shaft	S.S- 410
4	Sand Guard	C.I ( FG-200 )
5	Neck Ring	S.S- 410
6	Impeller	S.S- 410
7	Stage Casing	C.I ( FG-200 )
8	Rubber Bush	Nitrite Rubber & L.T.8- 4
9	Upper Sleever	S.S - 410
10	Counter Wash	S.S - 410
11	Counter Bearing Bush	L.T.8- 4
12	Top Sleeve	S.S - 410
13	Check Nut	S.S - 410
14	N.R.V. Body	C.I ( FG-200 )

# V6 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	M.S. Forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S-202 (1% Ni-14)
16	Lower Brg Housing	C.I (FG-200)
17	Lower Brg Bush	L.T.B - 4 + Nitrile Rubber
18	Counter Bearing	Hylam Pad
19	Thrust Pad	S.S. + Carbon
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V6 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NM7 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	100/125
(IN BSP THREADS)	INCH	4/5

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NM68-30	6-25	2 to 8	960 to 250	11 to 137
NM68-40	7.5-25	2 to 6	1370 to 430	11 to 105
NM68-50	5-25	1 to 5	1670 to 510	6 to 70
NM68-60	6-25	1 to 4	1830 to 900	6 to 60
NM68-70	7.5-20	1 to 3	2030 to 320	6 to 60
NM68-80	7.5-2.5	2 to 3	2230 to 440	6 to 40
NM68-90	10-20	2 to 2	2250 to 920	6 to 40
NM68-100	10-20	1 to 2	2390 to 1060	6 to 40
NM68-120	12.5-25	1 to 2	2490 to 1160	6 to 40

# V6 MOTOR ASSEMBLY

Per stage head		14/16 MTR
MAX. OUTSIDE DIAMETER		195 MM
METHOD OF STARTING	TP	DOL & SD
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1(CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



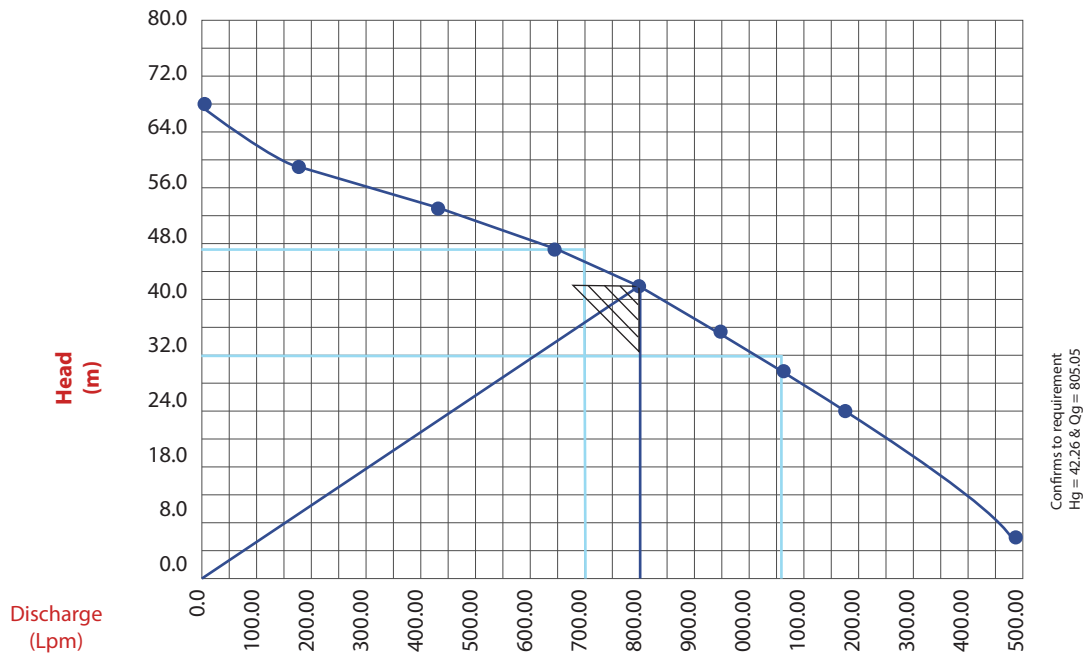
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 6 to 25 HP in S.P and T.P  
 Wide operating voltage range

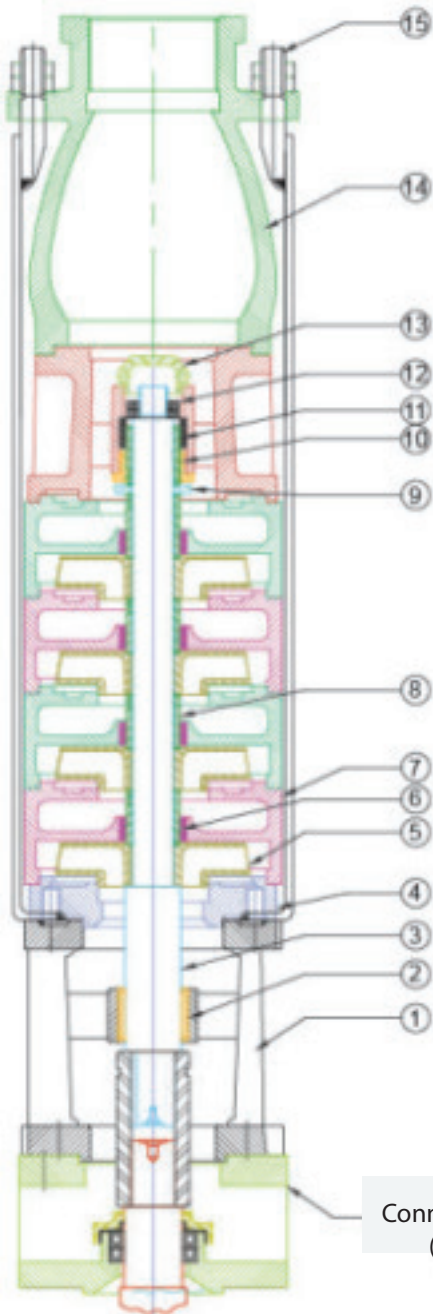


## SPECIAL OPTIONS

Also available in NEMA standard.



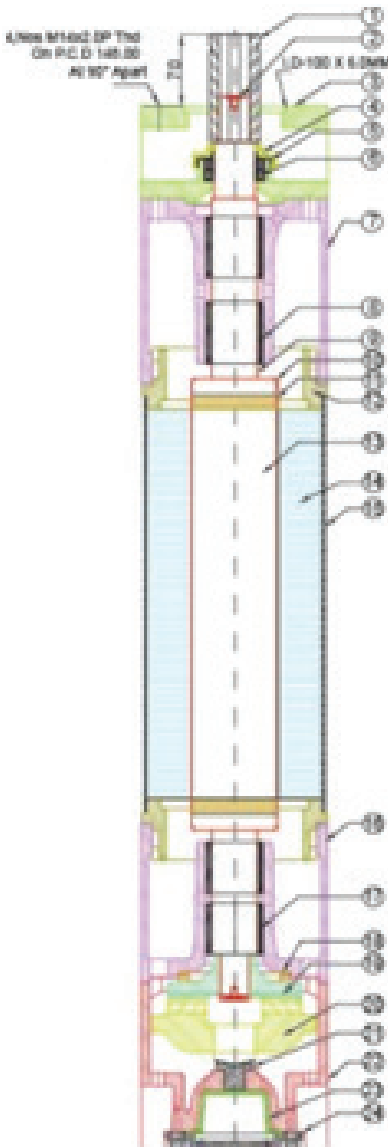
# V8 PUMP ASSEMBLY (NRK-40)



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 )
2	Intermediate Bush	L.T.8- 4
3	Pump Shaft	S.S- 410
4	Intermediale Plate	C.I ( FG-200 )
5	Impeller	S.S- 410
6	Rubber Bush	Nitrite Rubber
7	Stage Casing	C.I ( FG-200 )
8	Upper Sleeve	S.S- 410
9	Top Washer	S.S - 410
10	Counter Bearing Bush	L.T.8- 4
11	Rubber Bush ( D.O.L)	Nitrite Rubber
12	Check Nut	S.S - 410
13	Dome Cap	Nylon
14	N.R.V. Body	C.I ( FG-200 )
15	Camping Stud	M.S.



# V8 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	M.S. Forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S-202 (1% Ni-14)
16	Lower Brg Housing	C.I (FG-200)
17	Lower Brg Bush	L.T.B - 4 + Nitrile Rubber
18	Counter Bearing	Hylam Pad
19	Thrust Pad	S.S. + Carbon
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V8 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NM7 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	75/100
(IN BSP THREADS)	INCH	3/4

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NRK-20	15-30	7 to 15	540 to 200	74 to 263
NRK-25	15-36	6 to 14	7300 to 300	63 to 263
NRK-30	14-45	5 to 15	840 to 360	52 to 263
NRK-40	15-50	4 to 12	1050 to 450	42 to 210
NRK-50	10-50	2 to 10	1670 to 510	11 to 175

# V8 MOTOR ASSEMBLY

Per stage head		14 MTR
MAX. OUTSIDE DIAMETER		195 MM
METHOD OF STARTING	TP	DOL, SD & ATS
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1(CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



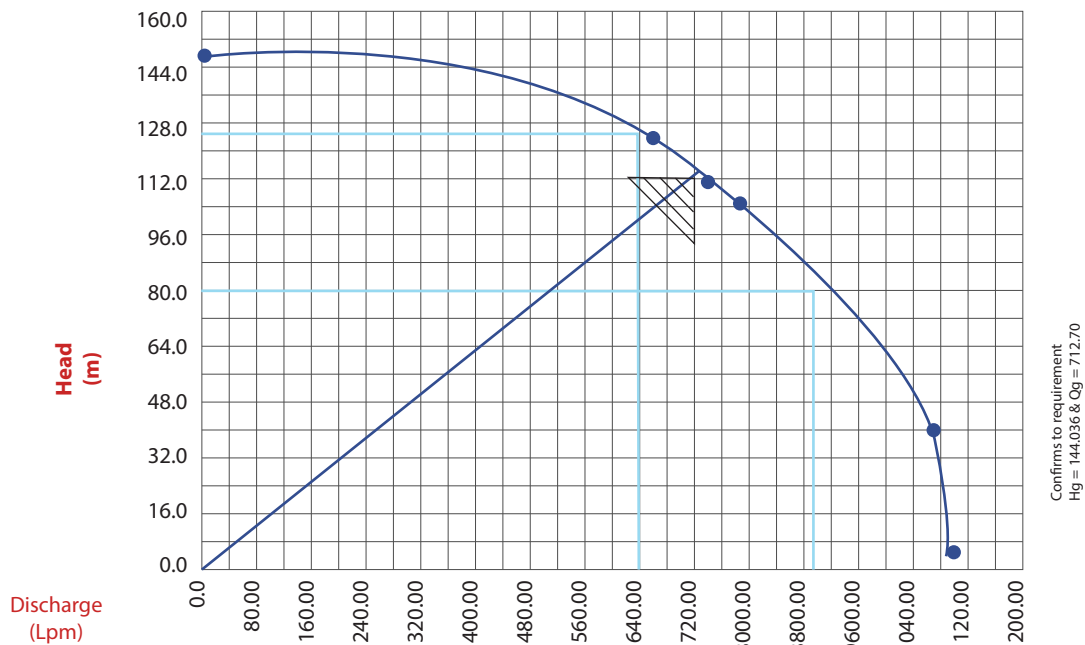
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 6 to 25 HP in S.P and T.P  
 Wide operating voltage range

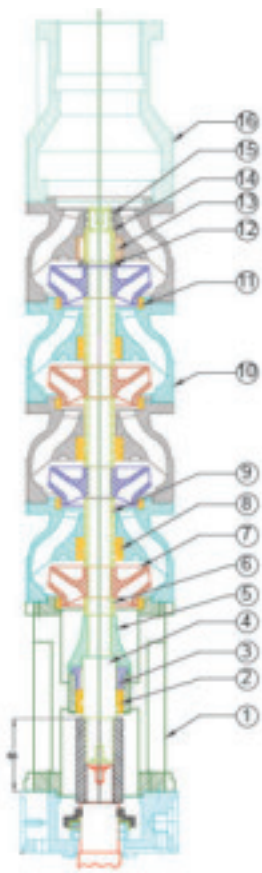


## SPECIAL OPTIONS

Also available in NEMA standard.

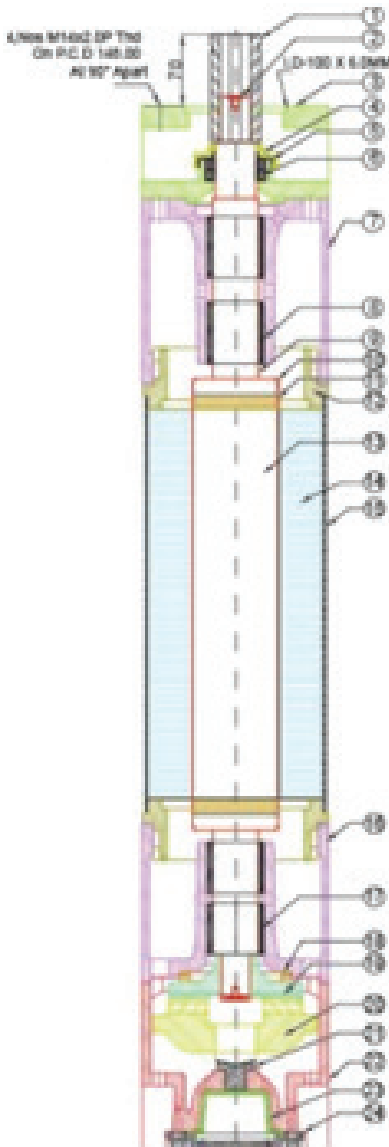


# V8 PUMP ASSEMBLY (NM8)



SR NO	Part's Name	Material
1	Intermediate Piece	C.I ( FG-200 )
2	Intermediate Bush	Nitrite Rubber
3	Intermediate Bush	L.T.8- 4
4	Pump Shaft	S.S- 410
5	Hand Guard	C.I ( FG-200 )
6	Upper Sleeve	S.S- 410
7	Impeller	S.S- 410
8	Rubber Bush (For Bowl)	Nitrite
9	Sleeve	S.S - 410
10	Stage Casing	C.I ( FG-200 )
11	Neck Ring	Nitrite Rubber
12	Top Washer	S.S- 410
13	Top Bush	L.T.8- 4
14	Top Sleeve	S.S- 410
15	Check Nut	S.S- 410
16	N.R.V Body	C.I ( FG-200 )

# V8 MOTOR ASSEMBLY



SR NO	Part's Name	Material
1	Couple	S.S-410
2	Rotor Shaft	S.S-431
3	Connecting Piece	C.I (FG-200)
4	Rubber Seal Cap	Nitrile Rubber
5	S.S Cap	S.S-202
6	Oil seal	Nitrile Rubber + S.S.
7	Upper Brg Housing	C.I (FG-200)
8	Upper Brg Bush	L.T.B - 4 + Nitrile Rubber
9	Rotor	----
10	Balance Ring	Brass
11	Copper Ring	E.C Grade
12	Stud Ring	M.S. Forged
13	Rotor Stamping	CRNO
14	Stator Stamping	CRNO
15	Stator Tube	S.S-202 (1% Ni-14)
16	Lower Brg Housing	C.I (FG-200)
17	Lower Brg Bush	L.T.B - 4 + Nitrile Rubber
18	Counter Bearing	Hylam Pad
19	Thrust Pad	S.S. + Carbon
20	Thrust Bearing	Six Segment Carbon Pad
21	Rocker Support	S.S-410
22	Motor Base	C.I (FG-200)
23	P.C.D. Cup	Nitrile Rubber
24	Moror Base Cover	C.I (FG-200)

# V8 MOTOR ASSEMBLY

## STRUCTURAL CHARACTERISTICS

MODEL	NM7 (MIXED FLOW)	
NOMINAL OUTLET SIZE	MM	75/100/125
(IN BSP THREADS)	INCH	3/4/5

TYPE	H.P	STAGES	DISCHARGE(LPM)	HEAD RANGE(MTR)
NM8-20	10-45	7 to 15	960 to 250	16 to 256
NM8-25	7.5-45	2 to 12	1370 to 430	11 to 230
NM8-30	10-50	2 to 10	1670 to 510	11 to 175
NM8-40	12.5-50	2 to 8	1820 to 900	11 to 140
NM8-50	15-50	2 to 7	2030 to 320	12 to 136
NM8-20	15-50	7 to 6	2230 to 220	12 to 117
NM8-25	17.5-45	2 to 5	2250 to 920	12 to 98
NM8-30	20-50	2 to 5	2350 to 102	12 to 100
NM8-4	25-50	2 to 4	2840 to 1910	20 to 70

# V8 MOTOR ASSEMBLY

Per stage head		14/16 MTR
MAX. OUTSIDE DIAMETER		195 MM
METHOD OF STARTING	TP	DOL , SD & ATS
RPM		2580
VERSION AC SUPPLY		350 to 415v
DEGREE OF PROTECTION		IP-58
DUTY CYCLE		S1(CONTINUOUS)
DIRECTION OF ROTATION		ANTI CLOCKWISE
MINIMUM COOLING FLOW ALONG THE MOTOR		0.15 m/sec



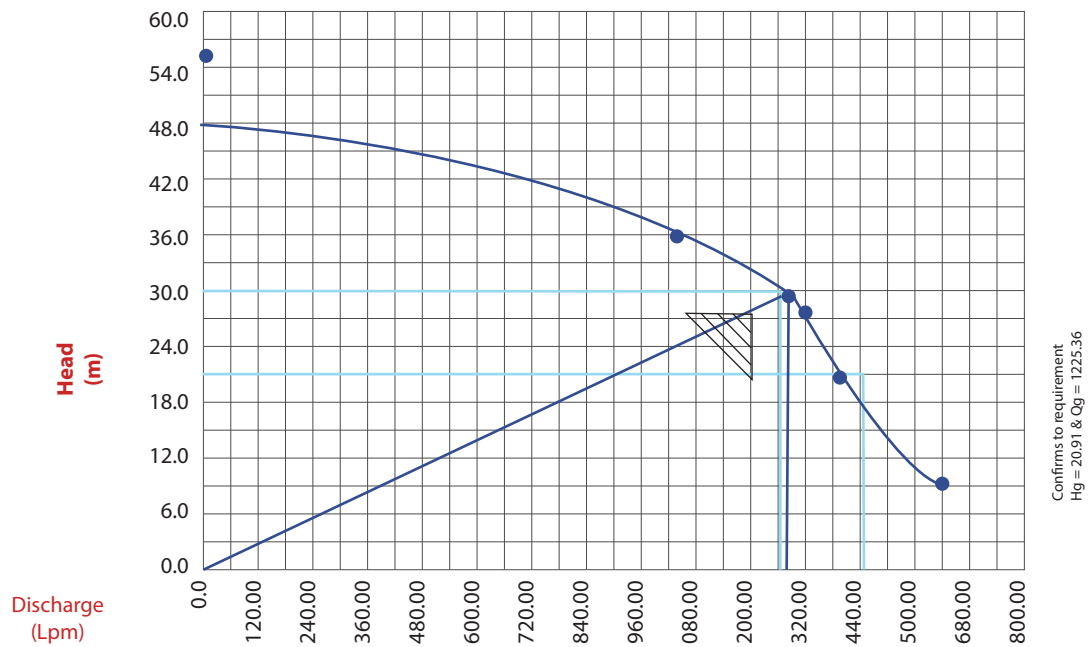
## SALIENT FEATURES

Confirm to IS 8034: 2002  
 Energy efficient pumpsets  
 Easy to dismantle and repair  
 Available from 10 to 50 HP in S.P and T.P  
 Wide operating voltage range

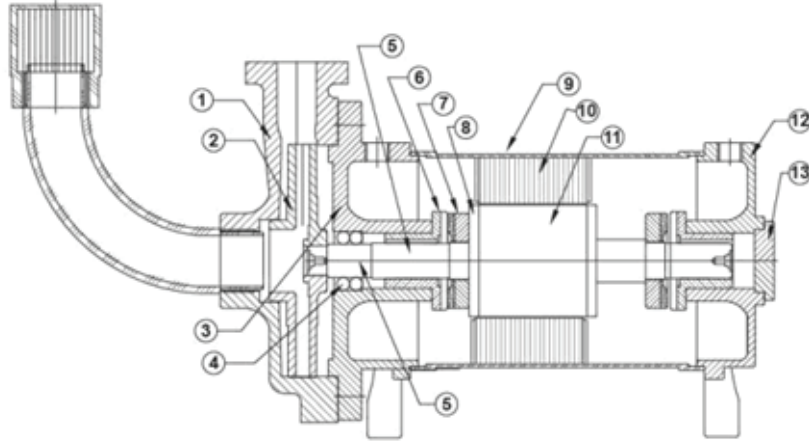


## SPECIAL OPTIONS

Also available in NEMA standard.



# MONOSET 0.5 HP TO 3 HP



SR NO	Part's Name	Material
1	Chamber	C.I ( FG-200 )
2	Impeller	C.I ( FG-200 )
3	Upper Brg Housing	C.I ( FG-200 )
4	Oil Seal	Nitrite & S.S
5	Rotar	-----
6	Counter Bearing Bush	L.T.8- 4
7	Thrust Pad	C.I + Teflon
8	Copper Ring	E.C Grade
9	Stator Tube	S.S - 202 (1% Ni- 14)
10	Stator Stamping	CRNO
11	Rotor Stamping	CRNO
12	Lower 8rg Housing	C.I ( FG-200 )
13	Back Cover	C.I ( FG-200 )



# V8 MOTOR ASSEMBLY



MODEL

NHZ

TYPE	H.P	SUCTION/DELIVERY SIZE (MM)	DISCHARGE(LPM)	HEAD RANGE(MTR)
NHZ 0.5	0.5	25*25	195 to 20	6 to 21
NHZ 1.0	1	25*25	245 to 40	21 to 30
NHZ 1.5	1.5	38*38	290 to 72	9 to 30
NHZ 2.0	2	50*50	354 to 80	9 to 32
NHZ 3.0	3	65*50	650 to 100	9 to 32

METHOD OF STARTING

SP

CSCR

TP

DOL

RPM

2800

# V8 MOTOR ASSEMBLY



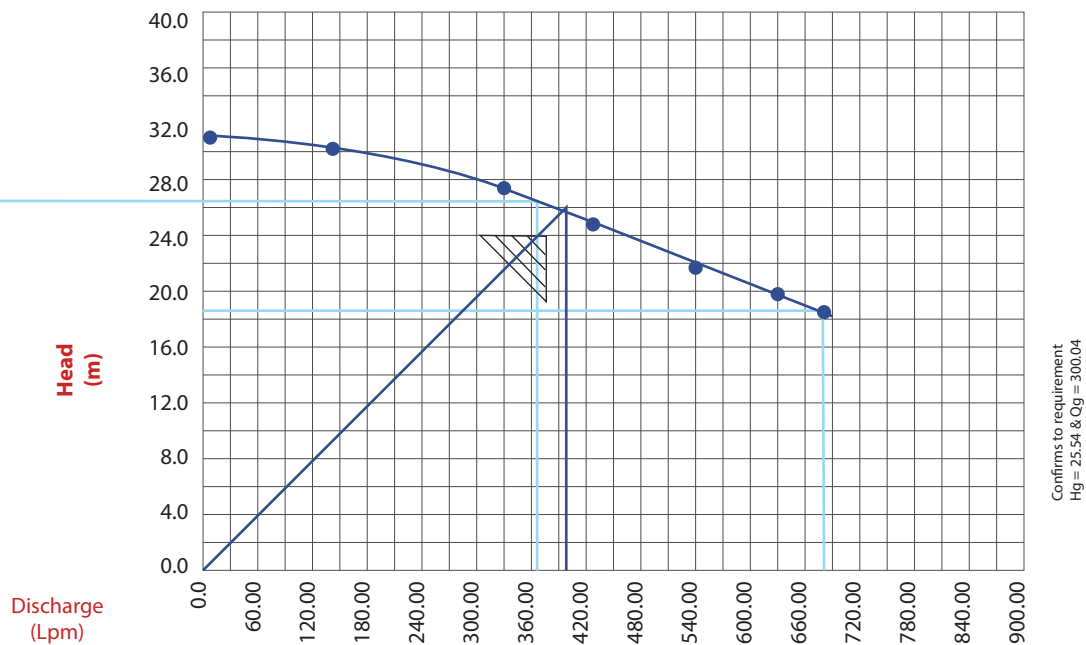
## SALIENT FEATURES

- Confirm to IS 8034: 2002
- Energy efficient pumpsets
- Easy to dismantle and repair
- Available from 0.5 to 3HP in S.P and T.P
- Wide operating voltage range
- Confirm to IS 14220:1994

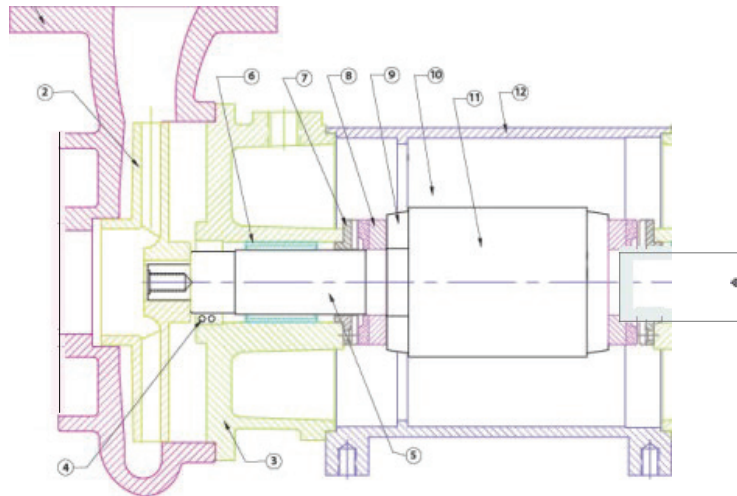


## SPECIAL OPTIONS

- Available in aluminium/copper rotor



# MONO SQ TYPE 3.0 HP TO 5.0 HP



SR NO	Part's Name	Material
1	Chamber	C.I ( FG-200 )
2	Impeller	C.I ( FG-200 )
3	Upper Brg Housing	C.I ( FG-200 )
4	Oil Seal	Nitrite & S.S
5	Rotar Shat	S.S - 410
6	Bearing Bush	L.T.8- 4
7	Counter Pad	S.S - 410
8	Thrust Pad	C.I + Teflon
9	Rotar	Alu/Copper
10	Stator Stamping	CRNO
11	Rotor Stamping	CRNO
12	Stator Tube	C.I ( FG-200 )
13	Lower Brg Housing	C.I ( FG-200 )

## V8 MOTOR ASSEMBLY



MODEL

NHZ

TYPE	H.P	SUCTION/DELIVERY SIZE (MM)	DISCHARGE(LPM)	HEAD RANGE(MTR)
NHZ8HH-30	3	65*50	590 to 630	5 to 22
NHZ8LH-40	3	65*65	766 to 192	5 to 26
NHZ8HH-50	3	65*50	661 to 304	5 to 38
NHZ8LH-60	3	65*65	1024 to 496	5 to 30

METHOD OF STARTING

SP

CSCR

RPM

2850

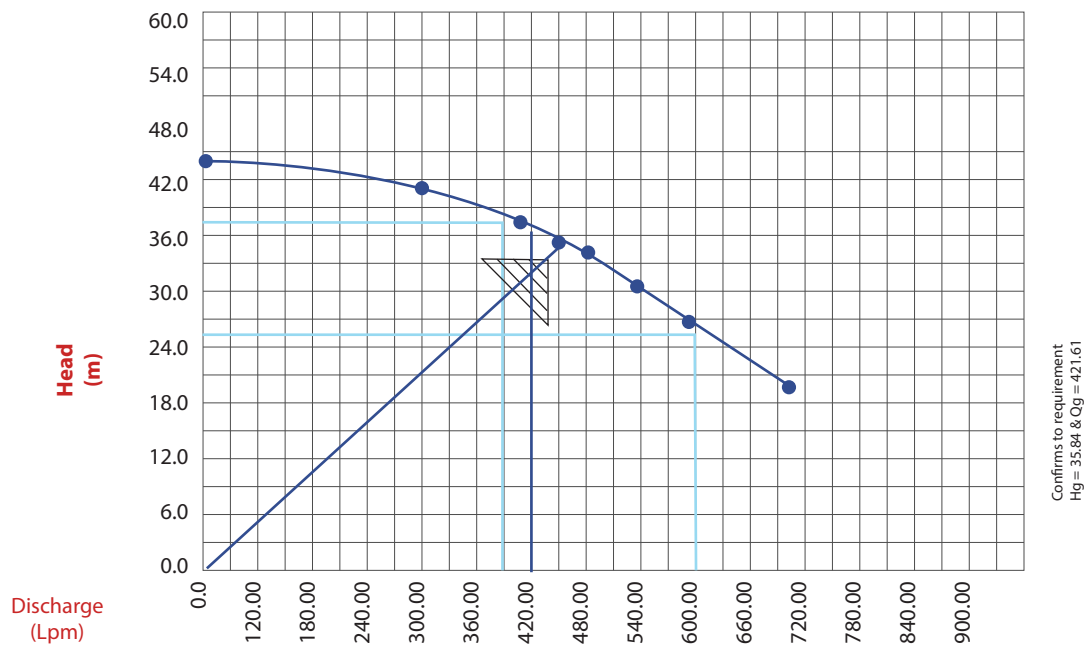
# V8 MOTOR ASSEMBLY

## SALIENT FEATURES

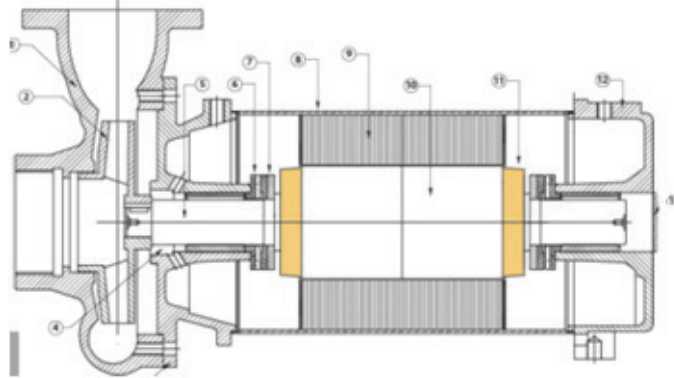
- Confirm to IS 8034: 2002
- Energy efficient pumpsets
- Easy to dismantle and repair
- Available from 3 to 5 HP in T.P
- Wide operating voltage range
- Confirm to IS 14220:1994

## SPECIAL OPTIONS

- Available in CI body only



# MONO 3 HP TO 10 HP



SR NO	Part's Name	Material
1	Chamber	C.I ( FG-200 )
2	Impeller	C.I ( FG-200 )
3	Upper Brg Housing	C.I ( FG-200 )
4	Oil Seal	Nitrite & S.S
5	Rotar	-----
6	Counter Bearing Bush	L.T.8- 4
7	Thrust Pad	C.I + Teflon
8	Stator Tube	M.S/S.S.
9	Stator Stamping	CRNO
10	Rotor Stamping	CRNO
11	Alluminium Die Cast	E.C Grade
12	Lower Brg Housing	C.I ( FG-200 )
13	Back Cover	C.I ( FG-200 )

# V8 MOTOR ASSEMBLY



MODEL

NH29

TYPE	H.P	SUCTION/DELIVERY SIZE (MM)	DISCHARGE(LPM)	HEAD RANGE(MTR)
NHZ9HH	3	65*50	590 to 360	5 to 22
NHZ8LH	3	65*65	766 to 192	5 to 26
NHZ8HH	5	65*50	661 to 304	5 to 38
NHZ8LH	5	65*65	1024 to 496	5 to 30
NHZ9HH	6.5	65*50	541 to 351	5 to 38
NHZ8LH	6.5	65*65	1210 to 676	5 to 28
NHZ8HH	7.5	65*50	649 to 490	5 to 38
NHZ8LH	7.5	65*65	730 to 540	5 to 32
NHZ8LH	7.5	80*80	1183 to 715	5 to 30

METHOD OF STARTING

SP

DOL

RPM

2850

# V8 MOTOR ASSEMBLY



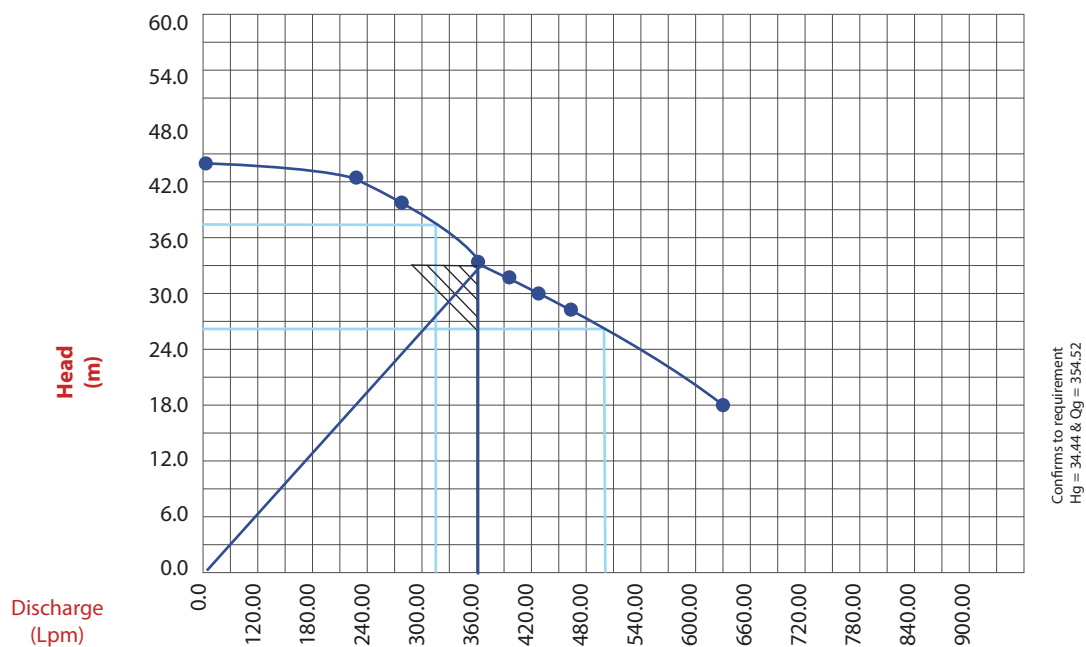
## SALIENT FEATURES

- Confirm to IS 8034: 2002
- Energy efficient pumpsets
- Easy to dismantle and repair
- Available from 3 to 7.5 HP in T.P
- Wide operating voltage range
- Confirm to IS 14220:1994



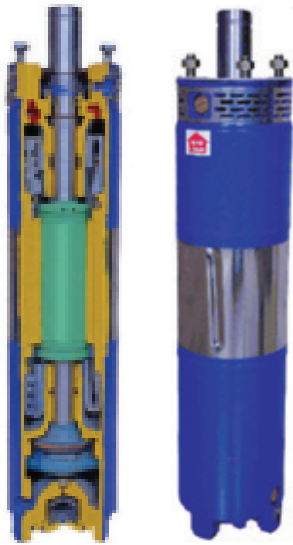
## SPECIAL OPTIONS

- Available in SS & MS body only





# ALL PUMPS



V6 MOTOR



V6 MOTOR



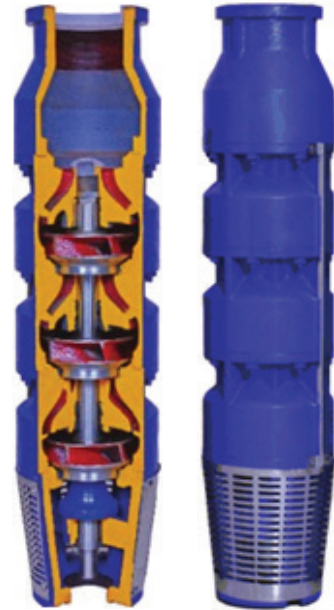
V6 PUMP (NRH6)



V6 PUMP (NR6)

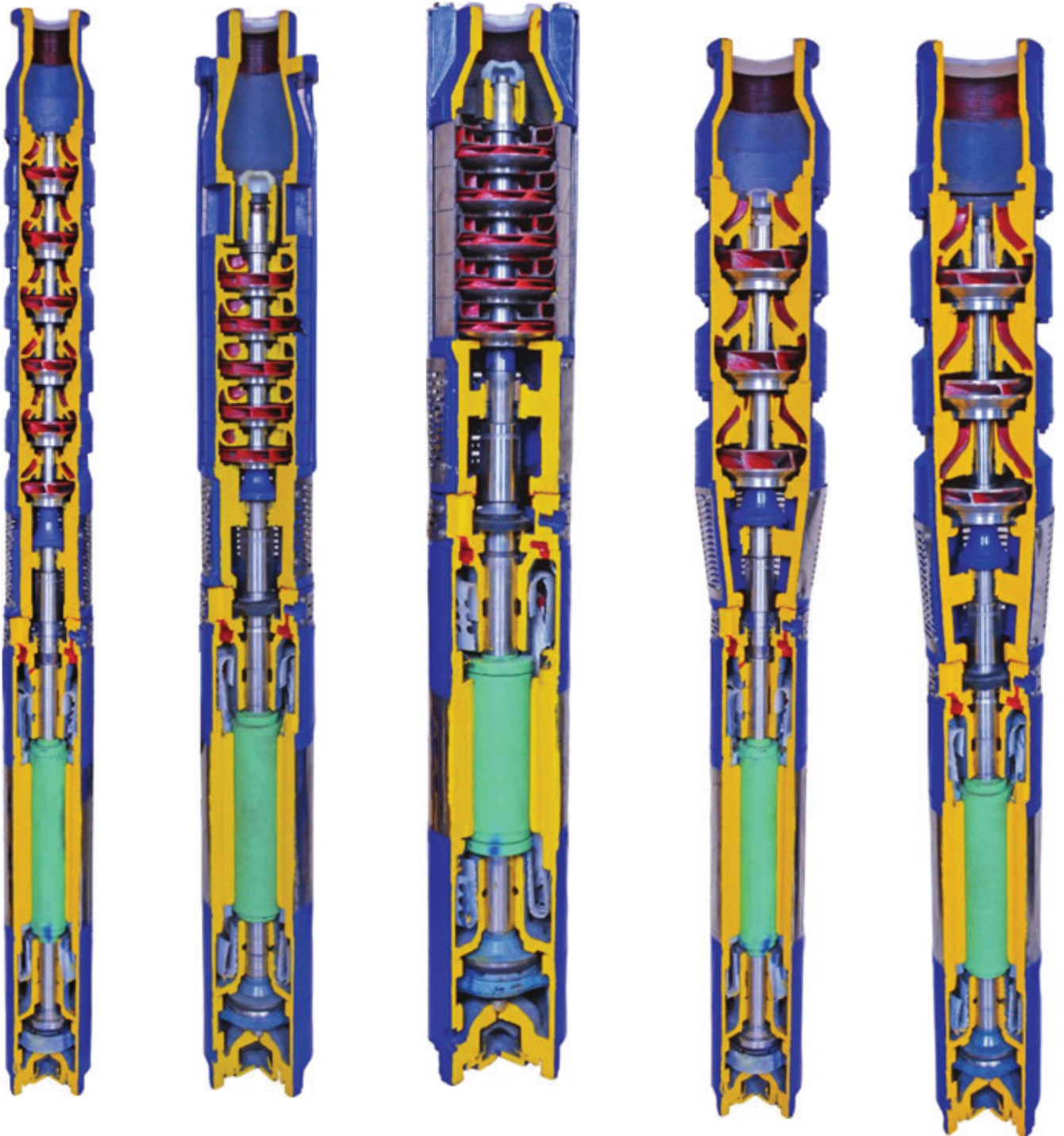


V6 PUMP (NM6)



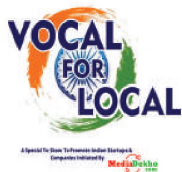
V7 PUMP (NM7)

# ALL PUMPS





**MAFFS PUMPS**  
P V T L T D



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