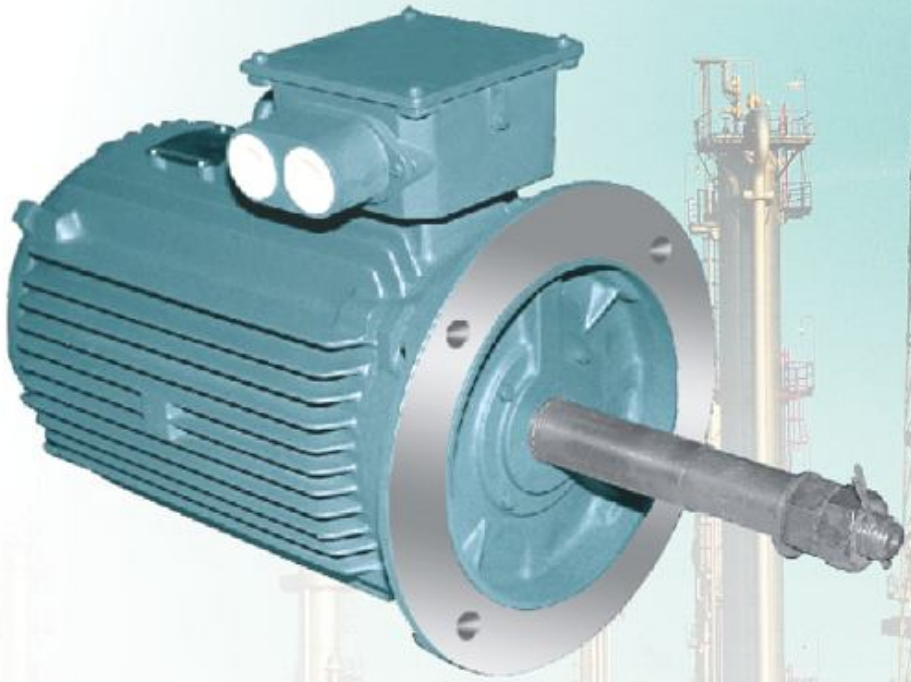
An ISO 9001, 14001 Certified Company

OSWAL

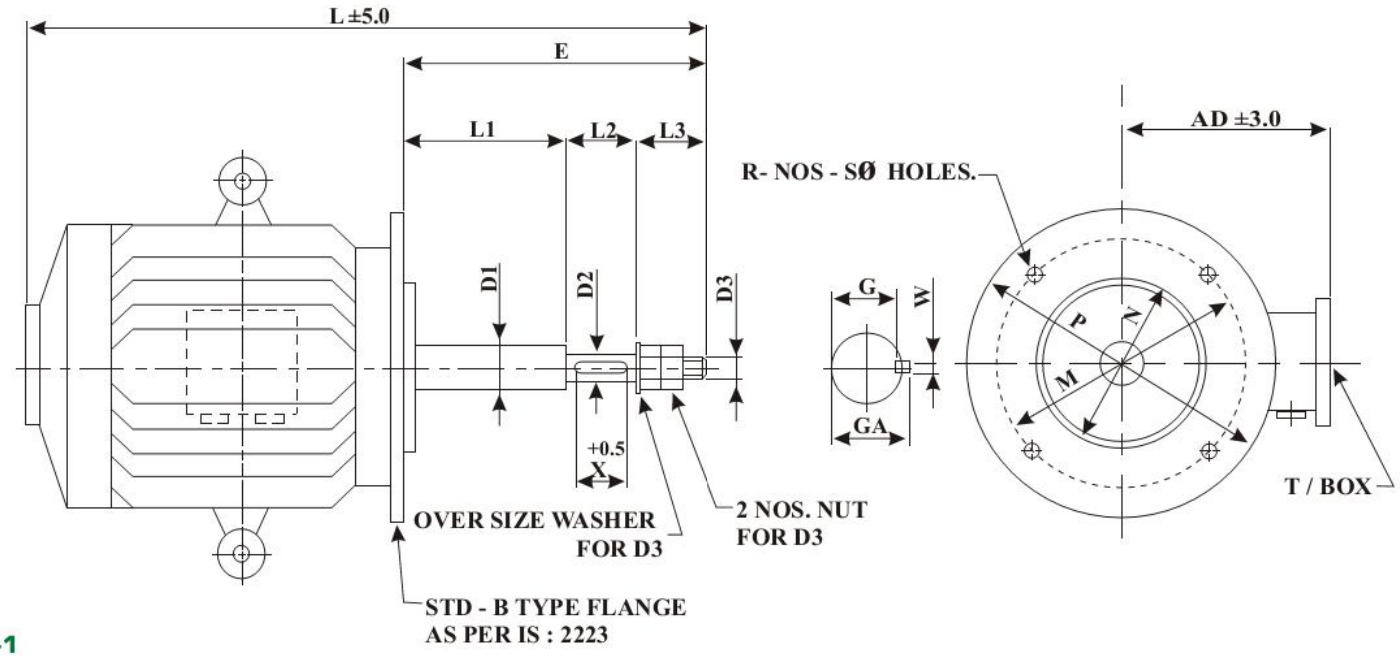
Ushering in Prosperity

Industrial Range....



CE

COOLING TOWER MOTORS



Shaft Size can be made available as per your specifications

TYPE -1

S.NO.	FRAME	DIMENSIONS																	
		P	M ± 0.3	N(J6)	R	S	L1	L2	L3	E	X	D1	D2	D3	W	G	GA	AD	L
1	80	200	165	130	4	12	90	55	60	205	45	30	28	M24	8	24	31	142	437
2	90	200	165	130	4	12	90	55	60	205	45	30	28	M24	8	24	31	142	491
3	100	250	215	180	4	12	115	55	70	240	45	30	28	M24	8	24	31	157	500
4	112	250	215	180	4	12	115	55	70	240	45	30	28	M24	8	24	31	167	540
5	132	300	265	230	4	12	115	75	70	260	65	40	38	M30	10	33	41	231	630
6	160	350	300	250	4	15	115	75	70	260	70	45	42	M30	12	37	45	247	770
7	180	350	300	250	4	19	115	110	70	295	90	50	48	M46	14	42.5	51.5	269	820
8	200	400	350	300	4	19	115	110	70	295	90	57	55	M53	16	49	59	287	806
9	225	450	400	350	8	19	115	140	70	325	115	62	60	M58	18	53	64	-	-
10	250	450	400	350	8	19	115	140	70	325	115	62	60	M58	18	53	64	-	-

TYPE -2

S.NO.	FRAME	DIMENSIONS																	
		P	M ± 0.3	N(J6)	R	S	L1	L2	L3	E	X	D1	D2	D3	W	G	GA	AD	L
1	80	200	165	130	4	12	90	45	30	175	40	20	19	M16	6	15.5	31	142	407
2	90	200	165	130	4	12	90	55	30	205	50	25	24	M24	8	20	27	142	491
3	112	250	215	180	4	12	115	55	50	235	50	30	28	M24	8	24	31	167	535
4	132	300	265	230	4	12	115	75	50	255	70	40	38	M30	10	33	41	231	625

1. 375 RPM (Synchronous), 16-POLE :

OUTPUT IN		FRAME	FULL LOAD			
HP	KW		CURRENT (A)	SPEED (RPM)	EFFICIENCY (%)	P.F.
3.00	2.2	160	8.5	335	75.0	0.48
4.00	3.0	160	11.0	340	75.0	0.50
6.00	4.5	180	18.5	350	76.0	0.45
8.50	6.5	200	23.5	340	74.0	0.52
12.50	9.3	225	31.5	350	77.0	0.53
15.00	11.0	225	36.5	350	78.0	0.54

2. 500 RPM (Synchronous), 12-POLE :

OUTPUT IN		FRAME	FULL LOAD			
HP	KW		CURRENT (A)	SPEED (RPM)	EFFICIENCY (%)	P.F.
4.00	3.0	160	9.0	470	79.0	0.59
5.00	3.7	160	11.0	470	79.0	0.59
7.00	5.5	180	15.5	440	76.5	0.64
10.00	7.5	180	20.5	450	78.5	0.65
12.50	9.3	200	30.0	470	79.0	0.55
15.00	11.0	225	35.0	480	80.0	0.55
20.00	15.0	225	46.0	480	80.0	0.57

3. 600 RPM (Synchronous), 12-POLE :

OUTPUT IN		FRAME	FULL LOAD			
HP	KW		CURRENT (A)	SPEED (RPM)	EFFICIENCY (%)	P.F.
5.00	3.7	160	10.0	570	81.5	0.63
7.50	5.5	160	14.0	570	82.0	0.66
10.00	7.5	180	18.5	535	80.0	0.70
12.50	9.3	180	22.0	550	82.5	0.70
15.00	11.0	180	26.0	560	84.0	0.70
20.00	15.0	200	35.0	580	87.0	0.70
20.00	18.5	225	43.5	580	87.5	0.70

4. 750 RPM (Synchronous), 8-POLE :

OUTPUT IN		FRAME	FULL LOAD			
HP	KW		CURRENT (A)	SPEED (RPM)	EFFICIENCY (%)	P.F.
1.00	.75	100	2.6	700	69.0	0.58
1.50	1.10	100	3.4	700	76.0	0.59
2.00	1.50	112	4.3	700	77.0	0.63
3.00	2.20	132	5.2	710	81.0	0.73
5.00	3.70	132	9.0	720	82.0	0.70
5.00	3.70	160	8.9	710	85.0	0.68
7.50	5.50	160	12.0	710	85.0	0.75
10.00	7.50	160	16.5	720	85.5	0.74
12.50	9.30	180	19.0	720	87.0	0.76
15.00	11.00	180	22.0	730	89.0	0.76
20.00	15.00	200	31.0	710	88.0	0.76
25.00	18.50	225	38.0	725	89.0	0.76
30.00	22.00	225	45.0	730	89.0	0.76

4. 1000 RPM (Synchronous), 6-POLE :

OUTPUT IN		FRAME	FULL LOAD			
HP	KW		CURRENT (A)	SPEED (RPM)	EFFICIENCY (%)	P.F.
0.50	0.37	90	1.2	900	68.0	0.63
0.75	0.55	90	1.7	900	71.0	0.63
1.00	0.75	90	2.3	900	72.0	0.63
1.50	1.10	90	3.0	900	74.0	0.69
2.00	1.50	100	3.9	910	78.0	0.69
3.00	2.20	112	5.0	940	79.0	0.77
5.00	3.70	132	8.3	960	83.0	0.77
7.50	5.50	132	12.2	955	83.5	0.77
10.00	7.50	160	15.5	965	87.5	0.80
12.50	9.30	160	19.5	965	88.0	0.80
15.00	11.00	160	23.0	965	88.0	0.80
20.00	15.00	180	30.0	960	89.0	0.79
25.00	18.50	200	36.0	965	90.5	0.79
30.00	22.00	200	42.0	985	91.7	0.79
40.00	30.00	225	55.5	985	92.1	0.82

3. 1500 RPM (Synchronous), 4-POLE :

OUTPUT IN		FRAME	FULL LOAD			
HP	KW		CURRENT (A)	SPEED (RPM)	EFFICIENCY (%)	P.F.
0.50	0.37	90	1.2	1370	67.0	0.64
0.75	0.55	90	1.6	1390	72.0	0.66
1.00	0.75	90	2.1	1400	73.0	0.68
1.50	1.10	90	2.8	1400	75.0	0.73
2.00	1.50	90	3.5	1400	78.0	0.76
3.00	2.20	100	4.8	1415	78.0	0.80
5.00	3.70	112	7.6	1425	83.0	0.80

Cooling Tower

An ISO 9001, 14001 Certified Company

COOLING TOWER MOTOR

OSWAL Cooling Tower Motors are the products of the expertise of highly qualified technical team with a stage wise rigid inspection method under TQM concept. **OSWAL** team are well known for their excellent services after sales.

Salient Feature :

- The Motors are rugged in construction and are designed for satisfactory operation at wide voltage fluctuations.
- Special care is taken in design for Cooling Tower application.
- Higher efficiency and power factor ensuring lower power consumption and lower operating temperature of the motor.
- Motors with Ip55 degree of protection and class 'F' insulation.
- Shaft extension as per customer requirement (can be provided with lock nuts).
- Rotors used are pressure die cast and dynamically balanced.
- Connections are made by electric brazing to eliminate loose connection.
- Winding is varnished using vacuum impregnation and treated for protection against humid atmosphere.
- Bearings are shrunk fit in bearing seats which are ground to close tolerances.
- Mounting : V 1 (Shaft downward position)
- Relative Humidity : 90%
- All other features similar to standard motors.
- Shaft can be supplied with stainless steel material AISI - 410 as per customer requirement.
- Flange : B- as per IS - 2223
- Any other requirements such as mounting, special construction, thrust bearing arrangement, special shaft extension and supply.

Specification :

Details	Three Phase
Range	0.25 HP to 120 HP.
RPM	3000 / 1500 / 1000 / 750
Frames	63 - 280 M
Insulation Class	'F'
Rating	Continous

Other Ranges :

Warranty : We extend to our products for a period of 12 months from the date of despatch against any material defect or workmanship under normal use and service.

- The manufacturer reserve the right to change the design, specification without prior notice.
- For more detail logon to www.oswalpumps.com

Exclusively manufactured by :

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