100%
MAKE IN INDIA

propel drive systems

INDUCTION MOTORS

High performance | High efficiency

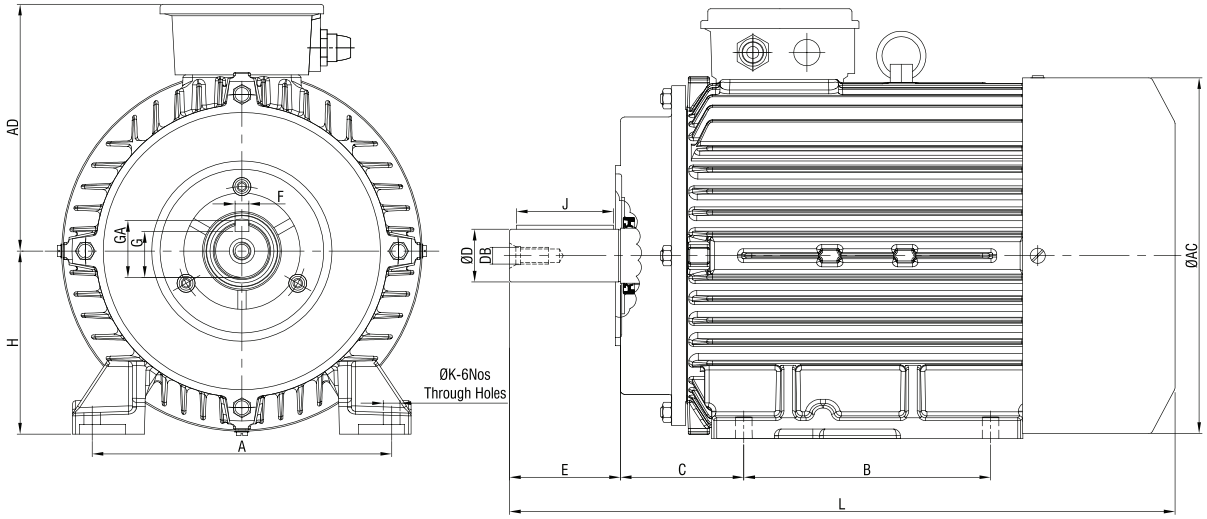
- Suitable For Indian & International standards

Introduction

Discover Propel drive system Motors, which offer substantial quality, superior performance, and advanced technology. Our motors are made with the highest quality raw materials, supported by extensive research. Would it be feasible for you to increase your expectations with Propel

Dimension Drawing for TEFC,

Foot Mounted (B3 Motor) 71 – 250 Frame 3Phace AC induction Motor



FOOT MOUNTING (B3)																		
FRAME SIZE	MOUNTING DIMENSIONS												OVERALL DIMENSIONS					
	A	B	C	D	E	F	G	GA	J	H	K	DB	AB	AC	BB	HD	AD	L
63	100	80	40	11	23	4	8.5	12.5	27	63	7	M4	118	117	96	154	91	203.5
71	112	90	45	14	30	5	11	16	29	71	7.5	M5	132	133.5	110	172	101	246
80	125	100	50	19	40	6	15.5	21.5	28	80	15X10	M6	153	160	125	204	124	272
90	140	100	56	24	50	8	20	27	40	90	15X10	M8	170	178	125	216	126	316
90L	140	125	56	24	50	8	20	27	46	90	10	M8	170	178	160	224	134	355
100L	160	140	63	28	60	8	24	31	53	100	12	M10	200	198	190	241	141	410
112M	190	140	70	28	60	8	24	31	61	112	12	M10	220	220	198	265	153	422
132S	216	140	89	38	80	10	33	41	66	132	12	M12	245.5	260	180	305	173	480
132M	216	178	89	38	80	10	33	41	66	132	12	M12	244	260	240	305	173	507
160M	254	210	108	42	110	12	37	45	74	160	15	M16	288	307	264	381	221	580
160L	254	254	108	42	110	12	37	45	74	160	15	M16	287.5	307	304	380	220	628
180M	279	241	121	48	110	14	42.5	51.5	70	180	15	M16	312.5	353	291	414	234	755
200L	318	305	133	55	110	16	49	59	88	200	19	M20	357.5	386	365	454	280	770
225S	356	286	149	60	140	18	53	64	94	225	19	M20	395.5	435	346	502	277	808
225M	356	311	149	60	140	18	53	64	94	225	19	M20	395.5	435	371	502	277	808
250M	406	349	168	65	140	18	58	69	90	250	24	M20	475	480	404	590	340	900

Note : All Dimensions are as per IEC: 60072 –1 / IS1231
All Dimensions are in mm.

Performance Data

For 3 Phase 415 Voltage,50Hz AC Induction Motor

Perfomance As per IEC 60034-3-1 & IS 12615-2018

PERFORMANCE DATA FOR 3PHASE 415 V 50 Hz - 4POLE IE2 MOTORS

OUTPUT (kW)		FRAME SIZE	RATED SPEED	FLC	FLT	% EFFICIENCY	POWER FACTOR	STARTING CURRENT	STARTING TORQUE	PULL OUT TORQUE	NET WEIGHT
POLE	kW		(RPM)	(A)	(kg-m)	FL	FL	(%)	% FLT	% FLT	(kgs)
4	0.12	63	1320	0.62	0.09	59.1	0.53	550	170	220	4.90
4	0.18	63	1320	0.82	0.13	64.7	0.66	550	225	275	4.90
4	0.25	71	1412	1.03	0.17	68.5	0.74	550	250	300	6.60
4	0.37	71	1400	1.20	0.26	72.7	0.73	600	200	250	6.60
4	0.55	80	1430	1.62	0.38	77.1	0.61	600	170	220	13.00
4	0.75	80	1402	1.95	0.52	79.6	0.71	500	200	250	14.00
4	1.10	90S	1436	2.70	0.75	81.4	0.76	600	250	300	25.00
4	1.50	90L	1424	3.32	1.02	82.8	0.78	600	275	325	28.00
4	2.20	100L	1432	4.96	1.49	84.3	0.75	650	200	250	36.00
4	3.70	112M	1425	7.34	2.52	86.3	0.79	650	260	310	45.00
4	5.50	132S	1440	10.59	3.69	87.7	0.82	650	250	300	72.00
4	7.50	132M	1445	14.50	5.04	88.7	0.84	650	250	300	80.00
4	11.00	160M	1440	22.00	7.40	89.8	0.83	650	175	225	110.00
4	15.00	160L	1440	30.00	10.10	90.6	0.85	650	175	225	133.00
4	18.50	180M	1440	36.00	12.40	91.2	0.85	650	250	300	205.00
4	22.00	180L	1450	43.00	14.60	91.6	0.84	650	200	250	216.0
4	30.00	200L	1450	57.00	19.90	92.3	0.86	700	260	310	265.00
4	37.20	225M	1450	69.00	24.70	92.7	0.82	700	260	310	280.00
4	45.00	225M	1460	84.00	29.00	93.1	0.80	700	260	310	300.00
4	55.00	250M	1460	100.00	36.08	93.5	0.82	700	260	310	370.00

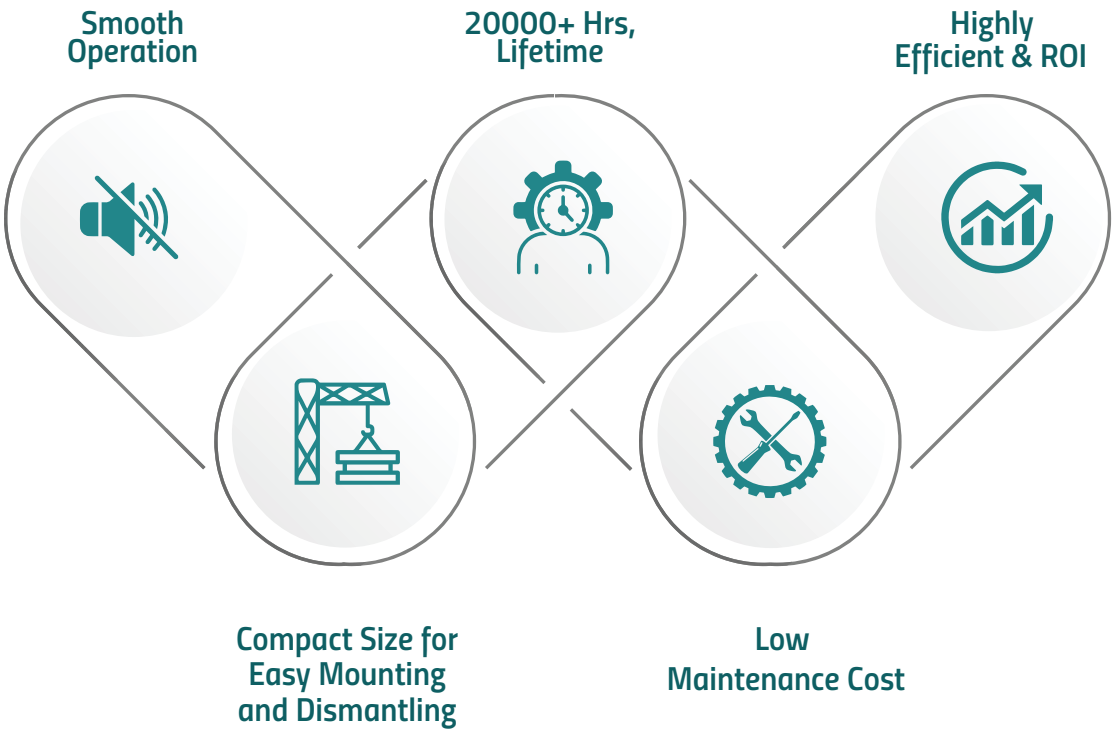
PERFORMANCE DATA FOR 3PHASE 415 V 50 Hz - 4POLE IE3 MOTORS

OUTPUT (kW)		FRAME SIZE	RATED SPEED	FLC	FLT	% EFFICIENCY	POWER FACTOR	STARTING CURRENT	STARTING TORQUE	PULL OUT TORQUE	NET WEIGHT
POLE	kW		(RPM)	(A)	(kg-m)	FL	FL	(%)	% FLT	% FLT	(kgs)
4	0.12	63	1335	0.60	0.09	64.80	0.59	600	170	220	7.90
4	0.18	63	1330	0.80	0.13	69.90	0.68	600	225	275	7.90
4	0.25	71	1420	1.00	0.17	73.50	0.76	600	250	300	9.60
4	0.37	71	1420	1.00	0.26	77.30	0.75	650	200	250	9.60
4	0.55	80	1440	1.60	0.38	80.80	0.65	650	170	220	17.00
4	0.75	80	1435	1.87	0.52	82.50	0.73	650	200	250	18.00
4	1.10	90	1445	2.68	0.75	84.10	0.78	650	250	300	29.00
4	1.50	90L	1450	3.30	1.02	85.30	0.80	650	275	325	33.00
4	2.20	100L	1450	4.95	1.49	86.70	0.77	750	200	250	39.00
4	3.70	112M	1450	7.32	2.52	88.40	0.82	750	260	310	49.00
4	5.50	132S	1465	10.57	3.69	89.60	0.85	750	250	300	77.00
4	7.50	132M	1470	14.48	5.04	90.40	0.86	750	250	300	85.00
4	11.00	160M	1468	21.80	7.40	91.40	0.85	750	175	225	117.00
4	15.00	160L	1465	29.70	10.10	92.10	0.87	750	175	225	140.00
4	18.50	180M	1470	35.60	12.40	92.60	0.87	750	250	300	216. 00
4	22.00	180L	1470	42.70	14.60	93.00	0.86	750	200	250	226.00
4	30.00	200L	1470	56.80	19.90	93.60	0.89	750	260	310	270.00
4	37.20	225M	1470	68.60	24.70	93.90	0.84	750	250	300	285.00
4	45.00	225M	1480	83.50	29.00	94.20	0.87	750	260	280	300.00
4	55.00	250M	1480	99.60	36.80	94.60	0.86	750	250	290	375.00

Note : All Dimensions are as per IEC: 60072 –1 / IS1231
All Dimensions are in mm.

Salient Features

- High grade low loss silicon steel
- Dual coat enameled copper wires of thermal class 155**(class -F)**
- VPI impregnated.
- Superior quality Insulation materials.
- High carbon steel shafts
- High strength Cast iron enclosure.
- IP55 protection
- Less Noise and vibration due to Precious dynamic balancing of rotor.
- Temperature limited to Class B rise.



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