

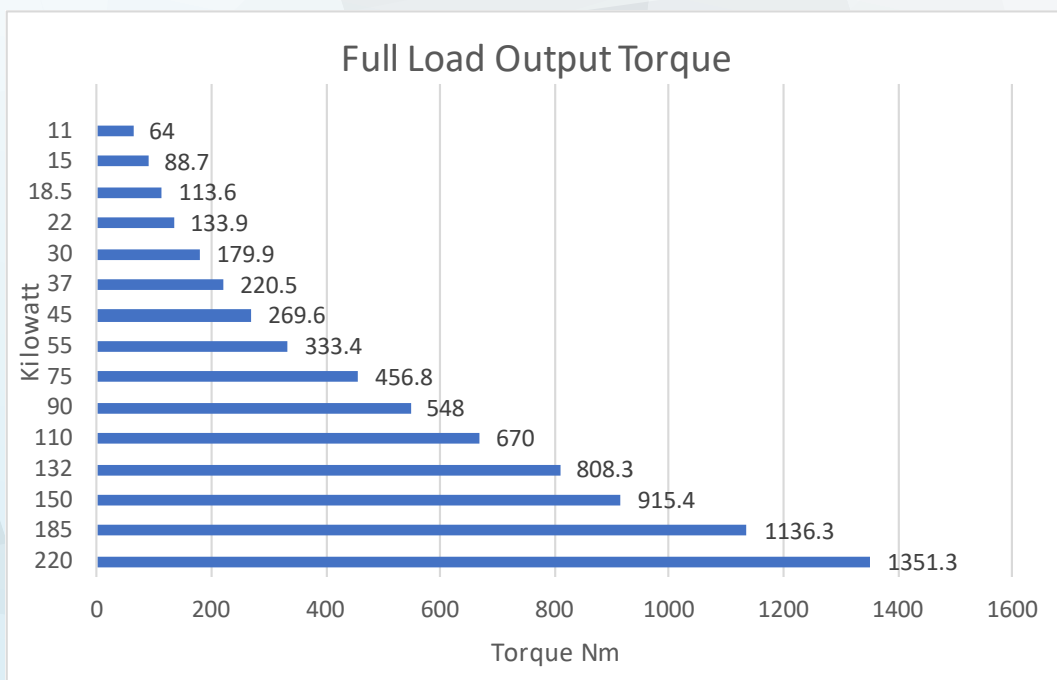
Open Drip Proof Motor

OPEN DRIP PROOF MOTOR

TECO Open Drip Proof Squirrel Cage Induction Motors from HMA Flow & Industrial are designed, manufactured, and tested to meet or exceed latest BS/AS and other international standards. The motors are suitable for all general applications where the use of open machines is acceptable. TECO's unique design and versatile engineering background makes TECO motors longer-running and less costly. The frames are high-grade cast-iron frame and end-bracket distortion free and rigid alignment. The bearings are pre-packed or vacuum de-gassed steel bearings that allow for extra overhung load capacities and longer bearing life. A unique designed flinger and bearing cap protects bearings against dust and moisture. The rotor assembly is dynamically-balanced, pressure-cast aluminium. The stator is a polyester film/DMD non-hydroscopic insulation system that meets or exceeds NEMA and IEEE



standards for maximum protection against heat, corrosion, abrasion and moisture, with integrally-cast fans.

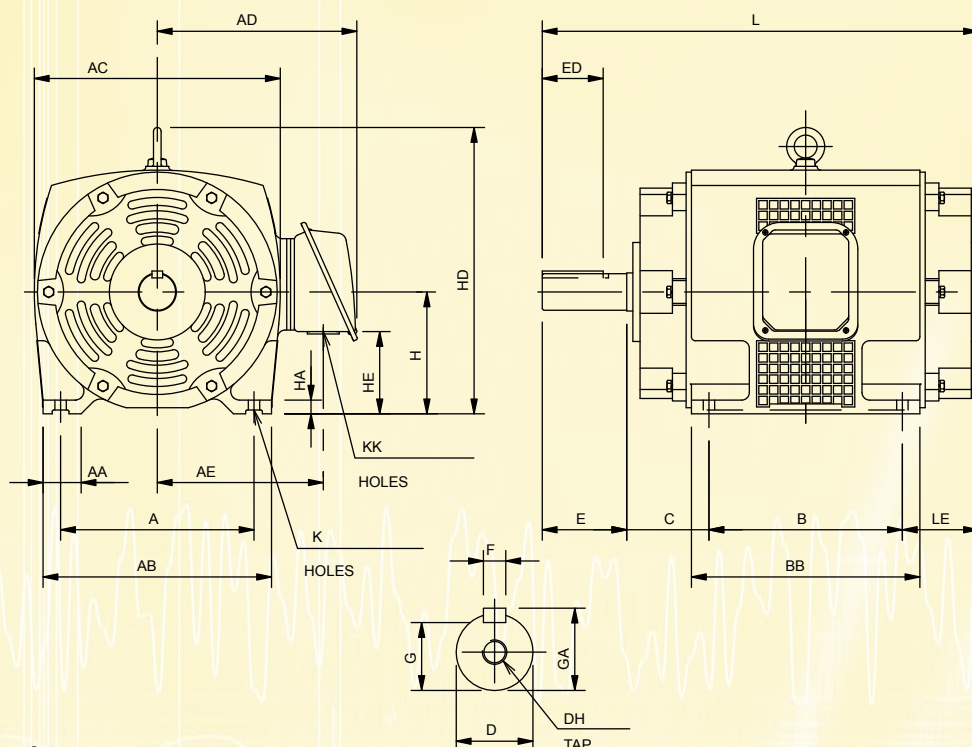


Open Drip Proof Motor

● DIMENSIONS

Drip-Proof Type. Squirrel-Cage Rotor.

Type: ASHB · ASFB



Dimension in mm

Output (kW)					FRAME		FIG.	A	AA	AB	AC	AD	AE	B	BB	C	H		HA	HD	HE																
2P		4P		6P	SIZE	NO.																															
11		15		11		7.5	160M		1	254		50		300		323		263		219		210		250		108		160		18		375		108			
18.5		22		15		18.5		11		160L		254		50		300		323		263		219		254		300		108		160		18		375		108	
FRAME					K	KK	L	LE	SHAFT EXTENSION										BEARING																		
									D		E		ED		F		G		GA		DH		DRIVE END		OPPOSITE DRIVE END												
SIZE																																					
160M					14.5	35	528.0	100.0	48	110	80	14	42.5	51.5	M16 × 32		6310ZZ										6309ZZ										
160L					14.5	35	572.0	100.0	48	110	80	14	42.5	51.5	M16 × 32		6310ZZ										6309ZZ										

Note: 1. Tolerance of shaft end diameter D : Under $\phi 48$: k6 , Above $\phi 55$: m6.
2. Tolerance of shaft center height H : +0 , -0.5.

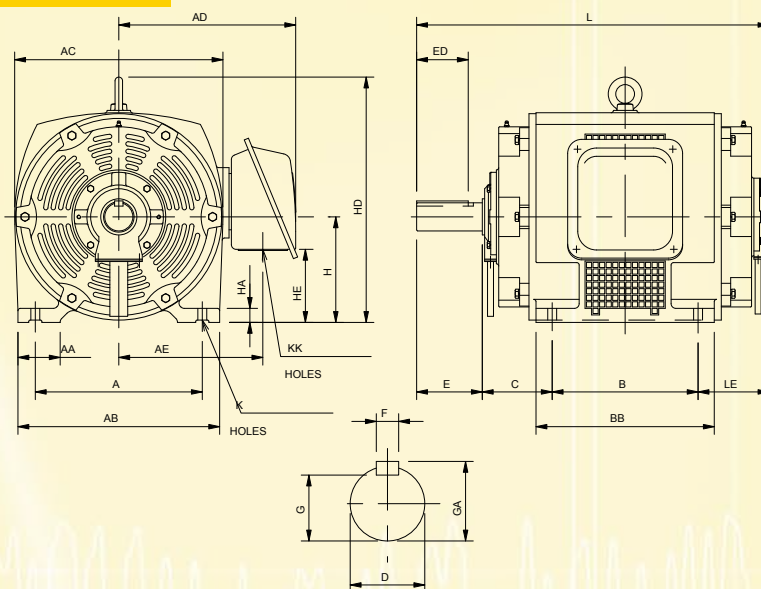


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● DIMENSIONS

Drip-Proof Type. Squirrel-Cage Rotor.

Type: ASHB \ ASFB



Dimension in mm

Output (kW)			FRAME	FIG.	A	AA	AB	AC	AD	AE	B	BB	C	H	HA	HD	HE
2P	4P	6P	SIZE	NO.													
30	—	—	180MA	2	279	75	355	369	305	250	241	293	121	180	20	425	119
—	22	15	180MC		279	75	355	369	305	250	241	293	121	180	20	425	119
37	—	—	180LA		279	75	355	369	305	250	279	331	121	180	20	425	119
—	30	18.5	180LC		279	75	355	369	305	250	279	331	121	180	20	425	119
45	—	—	200MA		318	80	400	409	342	279	267	325	133	200	25	464	129
—	37	22	200MC		318	80	400	409	342	279	267	325	133	200	25	464	129
55	—	—	200LA		318	80	400	409	342	279	305	365	133	200	25	464	129
—	45	30	200LC		318	80	400	409	342	279	305	365	133	200	25	464	129
75	—	—	225MA		356	90	430	444	381	312	311	380	149	225	30	522	153
—	55	37	225MC		356	90	430	444	381	312	311	380	149	225	30	522	153
90	—	—	250SA		406	95	500	500	479	364	311	398	168	250	32	593	139
—	75	45	250SC		406	95	500	500	479	364	311	398	168	250	32	593	139
110	—	—	250MA		406	95	500	500	479	364	349	436	168	250	32	593	139
—	90	55	250MC		406	95	500	500	479	364	349	436	168	250	32	593	139
FRAME		K	KK	L	LE	SHAFT EXTENSION							BEARING				
SIZE						D	E	ED	F	G	GA	DH	DRIVE END	OPPOSITE DRIVE END			
180MA		14.5	52	602.0	130.0	55	110	80	16	49.0	59.0	M20 × 40	6212C3	6211C3			
180MC		14.5	52	602.0	130.0	55	110	80	16	49.0	59.0	M20 × 40	NU213	6211			
180LA		14.5	52	640.0	130.0	55	110	80	16	49.0	59.0	M20 × 40	6212C3	6211C3			
180LC		14.5	52	640.0	130.0	55	110	80	16	49.0	59.0	M20 × 40	NU213	6211			
200MA		18.5	65	682.0	142.0	60	140	110	18	53.0	64.0	M20 × 40	6213C3	6213C3			
200MC		18.5	65	682.0	142.0	60	140	110	18	53.0	64.0	M20 × 40	NU213	6213			
200LA		18.5	65	720.0	142.0	60	140	110	18	53.0	64.0	M20 × 40	6213C3	6213C3			
200LC		18.5	65	720.0	142.0	60	140	110	18	53.0	64.0	M20 × 40	NU213	6213			
225MA		18.5	92	751.0	151.0	60	140	110	18	53.0	64.0	M20 × 40	6313C3	6213C3			
225MC		18.5	92	751.0	151.0	65	140	110	18	58.0	69.0	M20 × 40	6314	6213			
250SA		24.0	92	781.5	162.5	65	140	110	18	58.0	69.0	M20 × 40	6214C3	6214C3			
250SC		24.0	92	781.5	162.5	75	140	110	20	67.5	79.5	M20 × 40	NU217	6214			
250MA		24.0	92	819.5	162.5	65	140	110	18	58.0	69.0	M20 × 40	6214C3	6214C3			
250MC		24.0	92	819.5	162.5	75	140	110	20	67.5	79.5	M20 × 40	NU217	6214			

Note: 1. Tolerance of shaft end diameter D : Under $\phi 48$: k6 , Above $\phi 55$: m6.

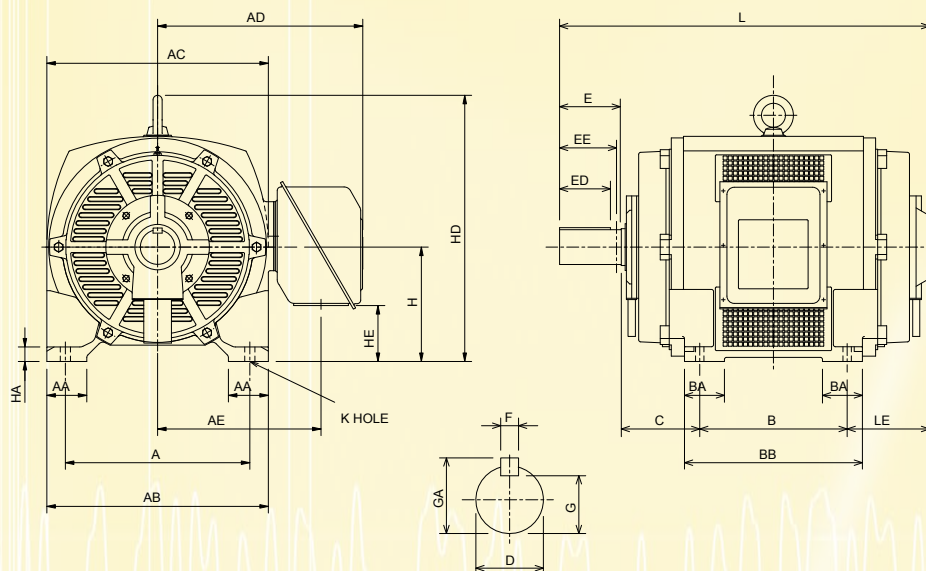
2. Tolerance of shaft center height H : +0 , -0.5.

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DIMENSIONS

Drip-Proof Type. Squirrel-Cage Rotor.

Type: ASHB · ASFB



Dimension in mm

Output (kW)			FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AE	B	BA	BB	C	D	E	ED
2P	4P	6P															
*132, 150	-	-	280SA	3	457	100	560	560	540	425	368	95	450	190	65	140	110
-	110	75	280SC		457	100	560	560	540	425	368	95	450	190	85	170	140
*185	-	-	280MA		457	100	560	560	540	425	419	95	500	190	65	140	110
-	132, 150	90	280MC		457	100	560	560	540	425	419	95	500	190	85	170	140
*220	-	-	315SA		508	110	610	610	565	450	406	110	490	216	70	140	110
-	*185	-	315SB		508	110	610	610	565	450	406	110	490	216	90	170	140
-	-	110	315SC		508	110	610	610	565	450	406	110	490	216	90	170	140
*250	-	-	315MA		508	110	610	610	565	450	457	110	540	216	70	140	110
-	*220	-	315MB		508	110	610	610	565	450	457	110	540	216	90	170	140
-	-	132, 150	315MC		508	110	610	610	565	450	457	110	540	216	90	170	140
FRAME SIZE		EE	F	G	GA	H	HA	HD	HE	K	L	LE	BEARING				
													DRIVE END	OPPOSITE DRIVE END			
280SA		134	18	58	69	280	36	653	116	24	891	193	6314C3		6314C3		
280SC		157	22	76	90	280	36	653	116	24	926	198	NU318C3		6316		
280MA		134	18	58	69	280	36	653	116	24	942	193	6314C3		6314C3		
280MC		157	22	76	90	280	36	653	116	24	977	198	NU318C3		6316		
315SA		134	20	62.5	74.5	315	40	733	151	28	989	227	6315C3		6315C3		
315SB		157	25	81	95	315	40	733	151	28	1019	227	NU320C3		6318		
315SC		157	25	81	95	315	40	733	151	28	1019	227	NU320C3		6318		
315MA		134	20	62.5	74.5	315	40	733	151	28	1040	227	6315C3		6315C3		
315MB		157	25	81	95	315	40	733	151	28	1070	227	NU320C3		6318		
315MC		157	25	81	95	315	40	733	151	28	1070	227	NU320C3		6318		

Note: 1. Tolerance of shaft end diameter D : m6.

2. Tolerance of shaft center height H : +0 , -1.

3. Usable shaft length : EE

4. * For direct flexible coupling

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