

No. of Phases		3	Reference	Performance	IS:325
Frame Designation		280M FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	90.00	Protection IS:4691		IP 55
	HP	120.00	Vibration Standard		IS:12075
No. of Poles		2	Noise Standard		IS:12065
Rated Voltage	V	415	Duty		S1
Rated Frequency	Hz	50	Insulation Class		F
Rated Current	A	148.0	Cooling IS:6362		IC411
Rated Speed	rpm	2975	Terminal Box Details	Terminal Size	M12
Rated Torque	kgm	29.47		No. of Terminal	6
Efficiency	Full load	%	94.0	Max. cable size	mm ² 2x3Cx150
	3/4 load	%	93.5	DE	6317
	1/2 load	%	92.5	NDE	6317
Power factor	Full load		0.90	Lubrication	Mobil / Unirex N3
	3/4 load		0.87	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.83	Regreasing Time	hrs. 2,000
Temp. Rise (Res.)	°C	70	Lifting Eyebolt IS:4190		M20
Acceleration Time	sec.	-	Motor Weight (approx)	kg	770
Stator Connection		D	Rotor GD ²	kgm ²	2.9368
Tropicalised? (Yes/No)		Yes	Ambient Temp.	°C	50
I _{st} / I _r	%	6.5	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r	%	2.2			
T _{po} / T _r	%	2.5	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec	18	Frequency Variation ±	% 5
	Cold	sec	40	Combiend Variation ±	% 10

Remarks: (1) Efficiency class : EFF2
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

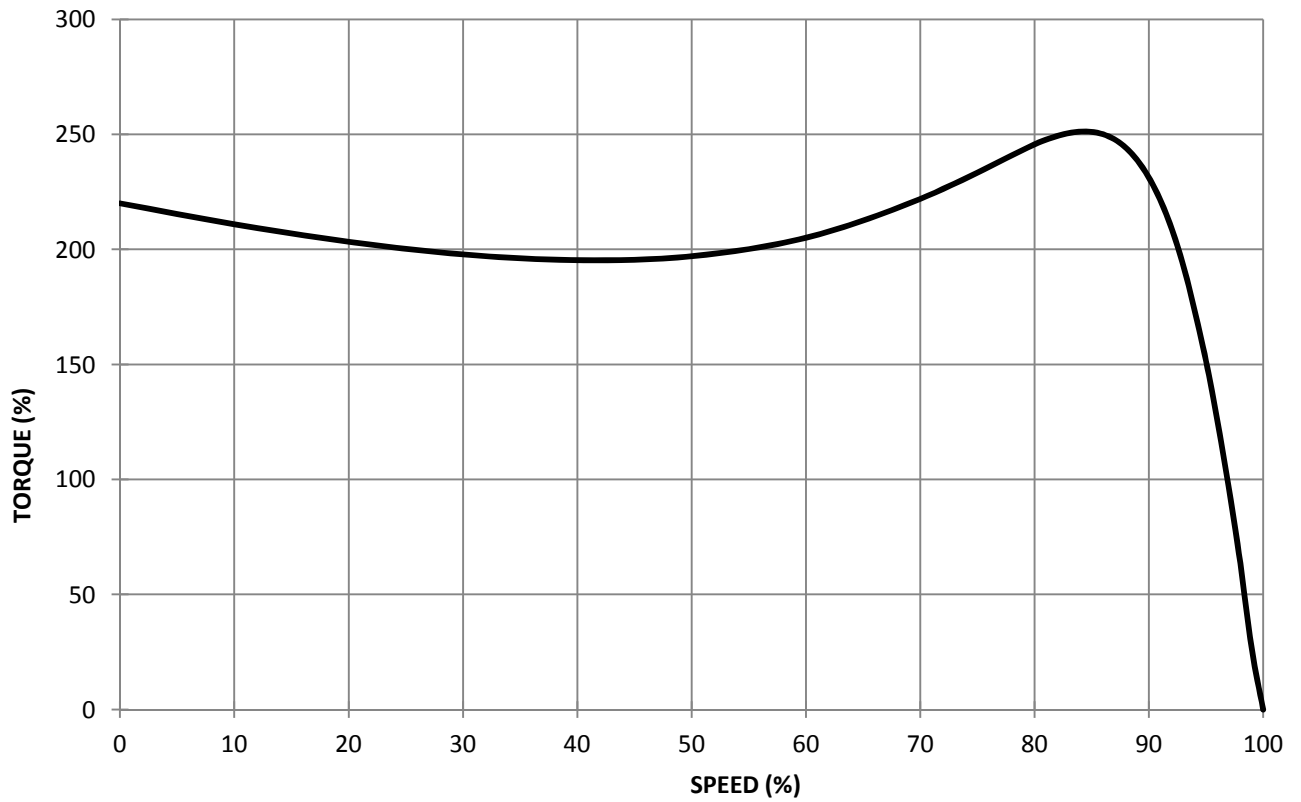
Prep.: ENGG

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TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

