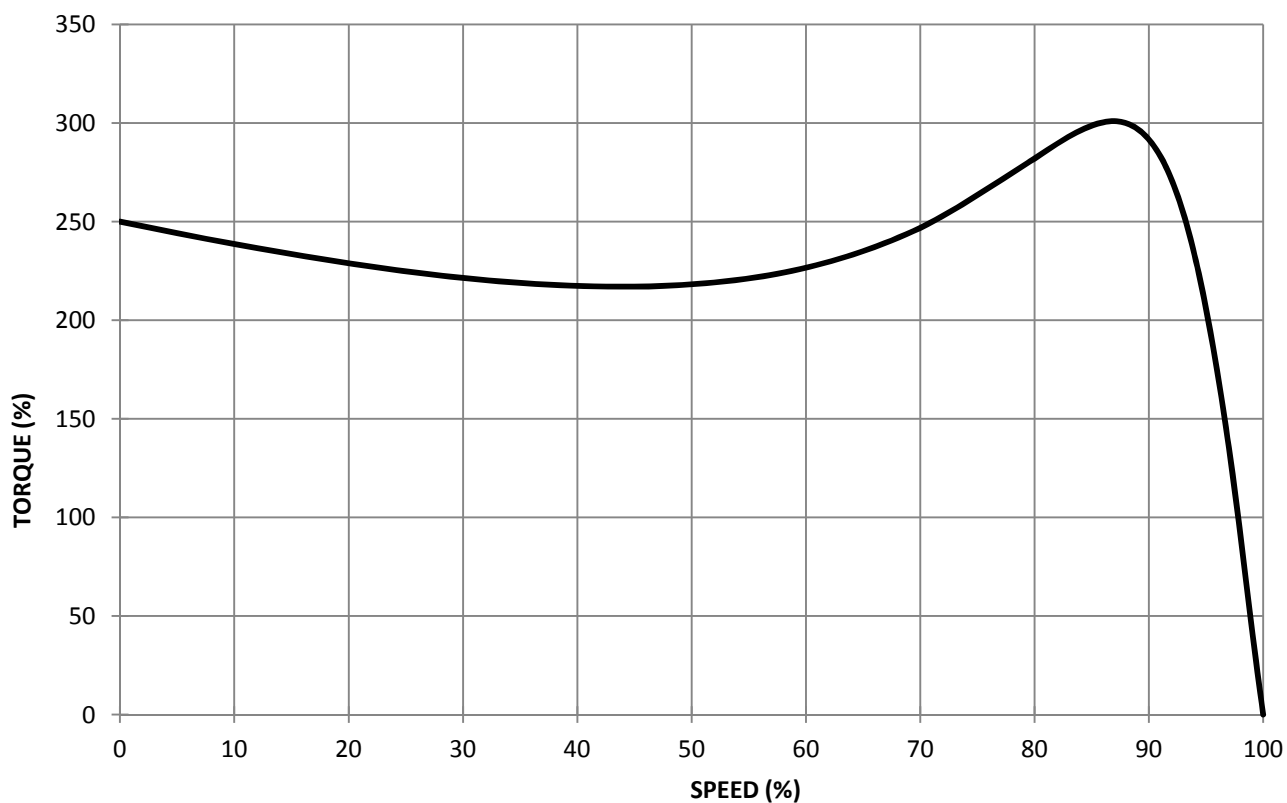


			DATA SHEET: INDUCTION MOTOR			Motor Type 2HE3 123-04		
No. of Phases				3	Reference Standard			IS:12615
Frame Designation				112M	Protection IS:4691			IP 55
Rated Output		kW	3.70	Vibration Standard			IS:12075	
		HP	5.00	Noise Standard			IS:12065	
No. of Poles				4	Duty			S1
Rated Voltage		V	415	Insulation Class			F	
Rated Frequency		Hz	50	Cooling IS:6362			IC411	
Rated Current		A	7.5	Terminal Box Details	Type		HM3GN	
Rated Speed		rpm	1450		Terminal Size		M5	
Rated Torque		kgm	2.49		No. of Terminal		6	
Efficiency	Full load	%	88.4		Max. cable size (Cu) mm²		2x3Cx10.0	
	3/4 load	%	88.4	Bearing Data	DE		6206ZZ	
	1/2 load	%	85.5		NDE		6206ZZ	
Power factor	Full load		0.78		Lubrication		Prelubricated	
	3/4 load		0.69		Life L10 (Direct Coupled) hrs.		50,000	
	1/2 load		0.60	Regreasing Time hrs.		-		
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt			M8	
Acceleration Time		sec.	-	Motor Weight (approx) kg			45.0	
Stator Connection			D	Rotor GD² kgm²			0.0497	
Tropicalised? (Yes / No)			Yes	Ambient Temp. °C			50	
I _{st} / I _r			7.5	Overall Dimensions of Packed motor (LxBxH) (mm) -				
T _{st} / T _r			2.5					
T _{po} / T _r			3.0	Voltage Variation ± %		10		
Locked rotor withstand time	Hot	sec.	6	Frequency Variation ± %		5		
	Cold	sec.	15	Combiend Variation ± %		10		
Remarks: (1) Efficiency Class : IE3 (2) Motor Construction : TEFC								
Data subject to tolerance as per IEC 60034-1								
Prep.: Engg			Chkd.:					
Date:			Date:					



LOAD-EFFICIENCY-POWER FACTOR CURVE

EP3 123-04

