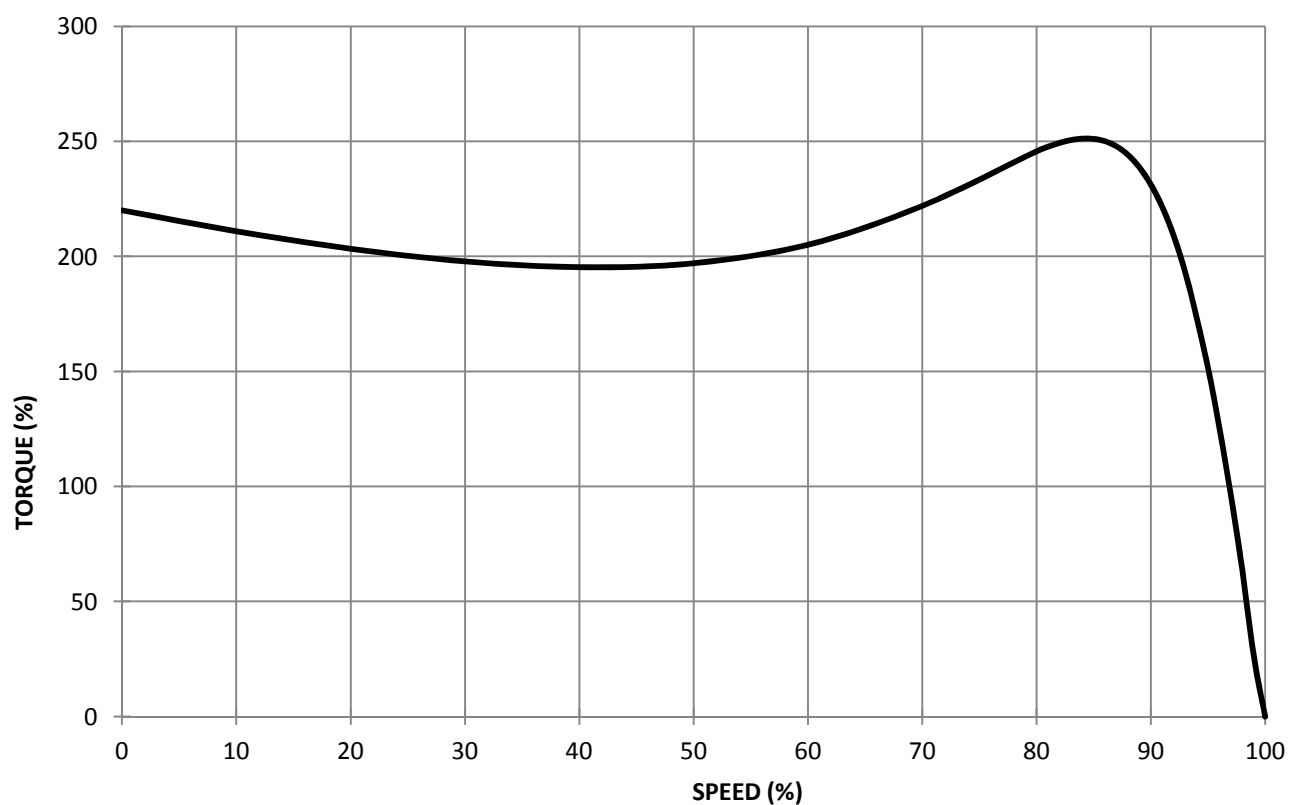
				DATA SHEET: FLAMEPROOF INDUCTION MOTOR		Motor Type 2FD1 163-02	
No. of Phases			3	Reference	Performance		IS:325
Frame Designation			160L FLP	Standard	Enclosure		IS:60079-1
Rated Output		kW	11.00	Protection IS:4691			IP 55
		HP	15.00	Vibration Standard			IS:12075
No. of Poles			2	Noise Standard			IS:12065
Rated Voltage		V	415	Duty			S1
Rated Frequency		Hz	50	Insulation Class			F
Rated Current		A	20.0	Cooling IS:6362			IC411
Rated Speed		rpm	2920	Terminal Box Details	Terminal Size		M6
Rated Torque		kgm	3.67		No. of Terminal		6
Efficiency	Full load	%	88.5		Max. cable size		mm ² 2x3Cx25
	3/4 load	%	87.5	Bearing Data	DE		6309ZZ
	1/2 load	%	85.5		NDE		6309ZZ
Power factor	Full load		0.86		Lubrication		Prelubricated
	3/4 load		0.84	Life L10 (Direct coupled)		hrs. 50,000	
	1/2 load		0.79	Regreasing Time		hrs. -	
Temp. Rise (Res.)		°C	70	Lifting Eyebolt IS:4190			M12
Acceleration Time		sec.	-	Motor Weight (approx)		kg	162
Stator Connection			D	Rotor GD ²		kgm ²	0.1077
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	8	Frequency Variation ±		%	5
	Cold	sec	17	Combiend Variation ±		%	10
Remarks: (1) Efficiency class : EFF2 (2) Motor construction: TEFC							
Data subject to tolerance as per IS:12615.							
Prep.: ENGG			Chkd.:				
Date:			Date:				

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

