

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: ROSHD SANAT NIROO				
Product line		: W22 IE1 Three-Phase		Product code : 11275308		
Frame	: 200L	Locked rotor time	: 23s (cold) 13s (hot)			
Output	: 30 kW	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: S1			
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 380/660 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 58.1/33.5 A	Protection degree	: IP55			
L. R. Amperes	: 383/221 A	Cooling method	: IC411 - TEFC			
LRC	: 6.6	Mounting	: B3T			
No load current	: 21.0/12.1 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1465 rpm	Noise level ²	: 65.0 dB(A)			
Slip	: 2.33 %	Starting method	: Direct On Line			
Rated torque	: 19.9 kgfm	Approx. weight ³	: 232 kg			
Locked rotor torque	: 210 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 0.2802 kgm ²					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	91.7	91.7	91.2	Max. traction : 590 kgf		
Power Factor	0.73	0.81	0.86	Max. compression : 821 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 C3		6212 Z C3		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	21 g		13 g		
Lubricant type	:	Mobil Polyrex EM				
Notes						
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by						
Date	21/11/2018				Page 1 / 4	Revision

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Customer : _____

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 4	
Date	21/11/2018				

TORQUE AND CURRENT VS SPEED CURVE

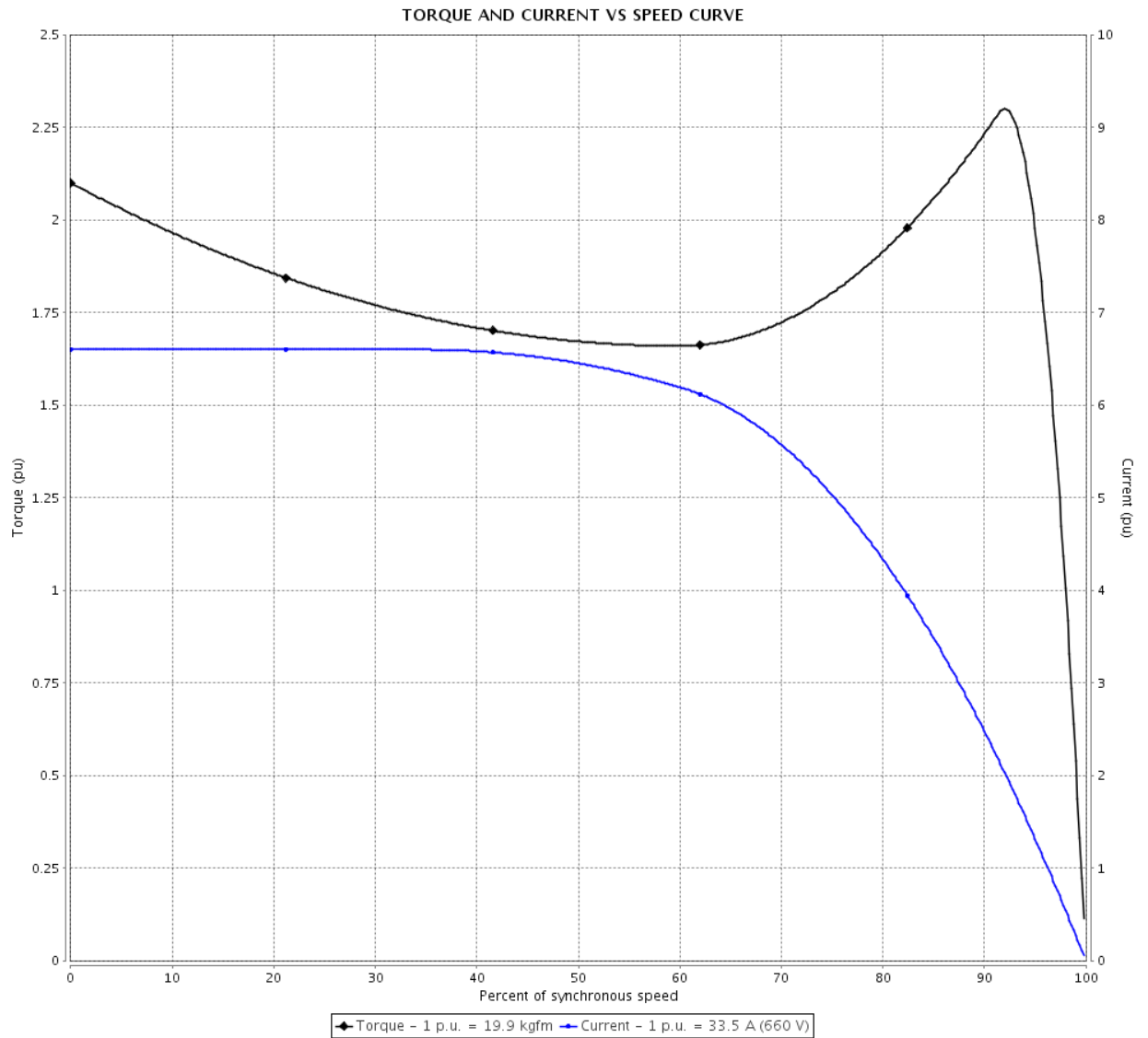
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE1 Three-Phase

Product code : 11275308



Performance : 380/660 V 50 Hz 4P

Rated current	: 58.1/33.5 A	Moment of inertia (J)	: 0.2802 kgm ²
LRC	: 6.6	Duty cycle	: S1
Rated torque	: 19.9 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 1465 rpm	Design	: N

Locked rotor time : 23s (cold) 13s (hot)

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 3 / 4		
Checked by				
Date	21/11/2018			
		Revision		

LOAD PERFORMANCE CURVE

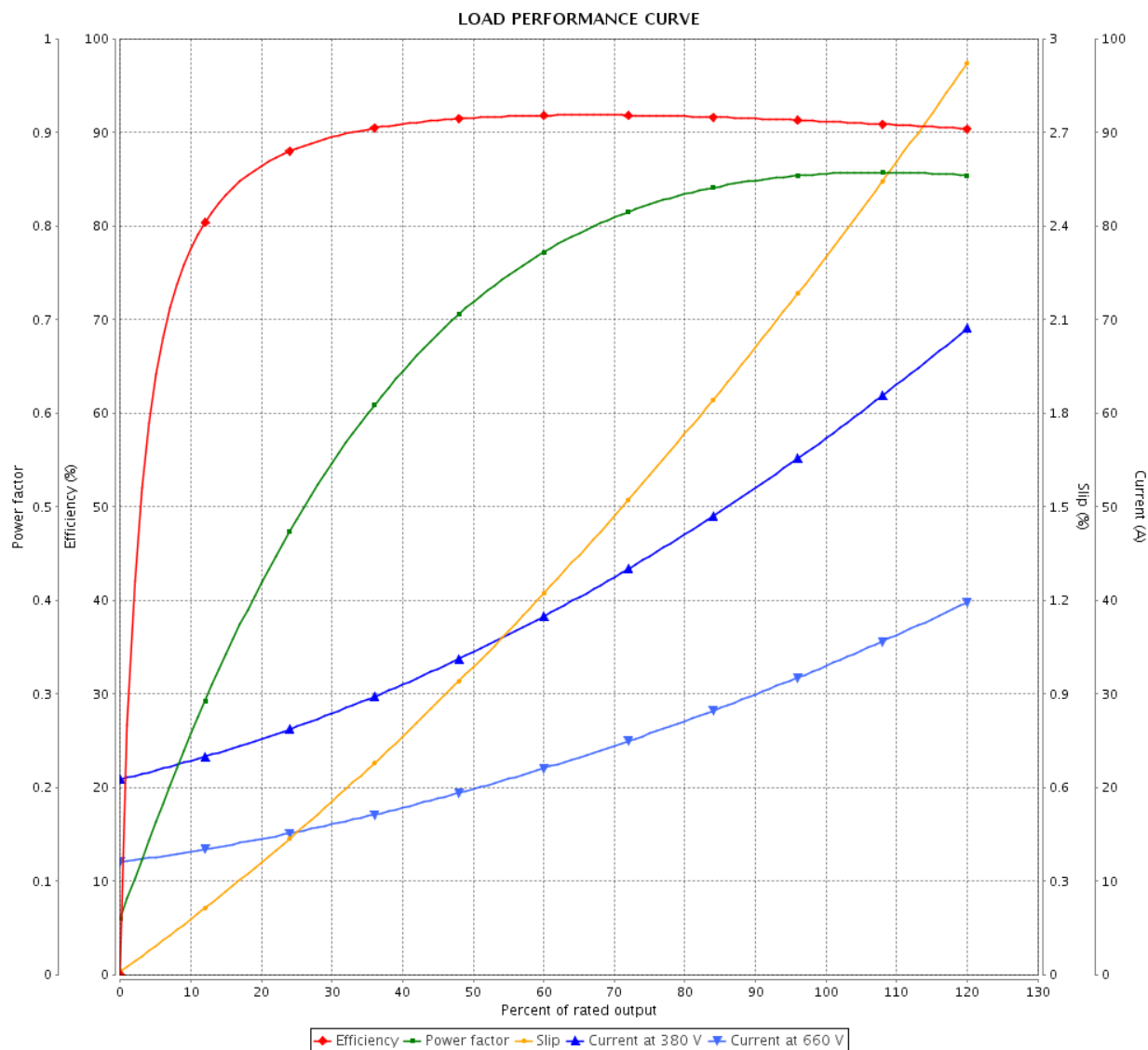
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE1 Three-Phase

Product code : 11275308

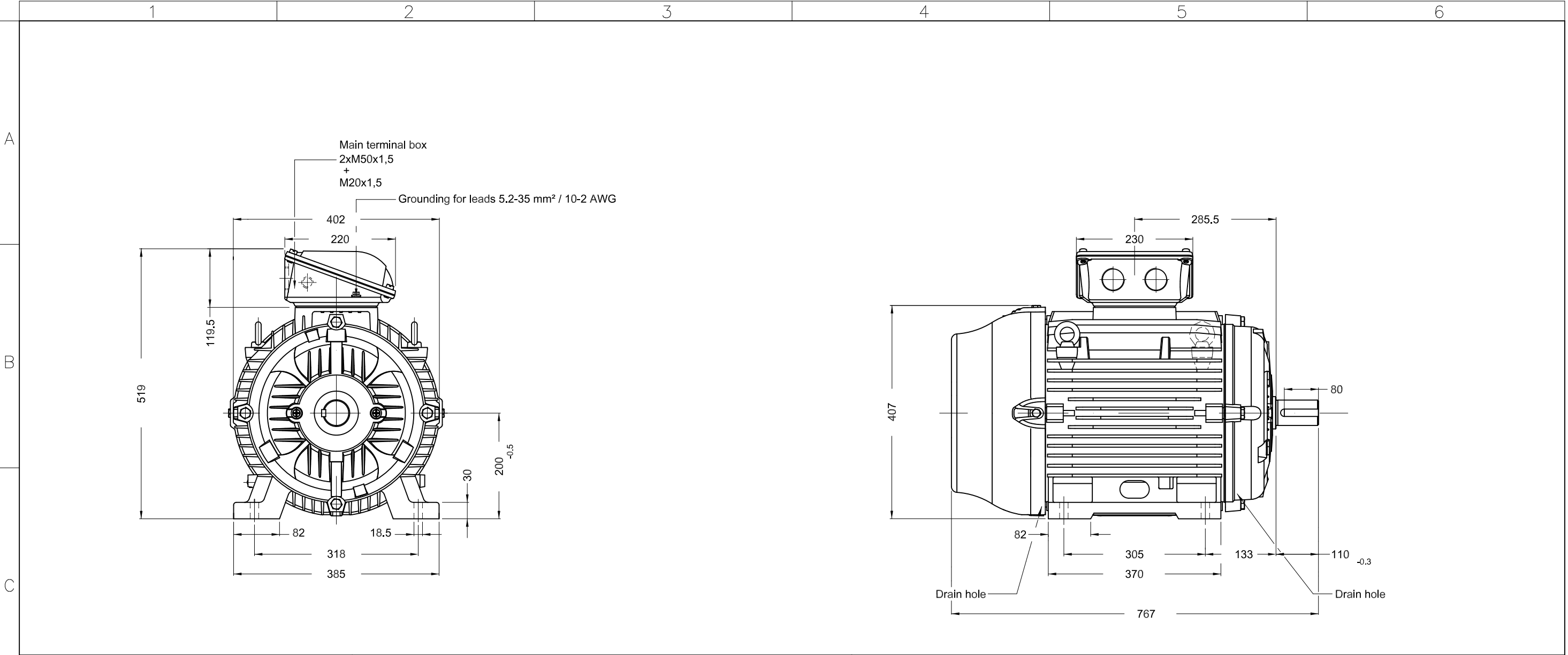


Performance : 380/660 V 50 Hz 4P

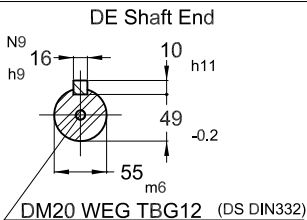
Rated current : 58.1/33.5 A
LRC : 6.6
Rated torque : 19.9 kgfm
Locked rotor torque : 210 %
Breakdown torque : 229 %
Rated speed : 1465 rpm

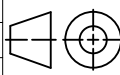
Moment of inertia (J) : 0.2802 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : N

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 4 / 4	Revision
Checked by					
Date	21/11/2018				



Color RAL 5009
Painting plan 203A
Mounting B3T



30 kW 04 Poles 50 Hz										A
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN		THREE PHASE W22 MOTOR FRAME 200L IP55 TEFC				PREVIEW WDD			
CHECKED										
RELEASED										
REL DT		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				