

NEMA Motor Data



Ordering data : 1LE2321-2BB21-2EA2

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Nameplate Data					Mounting and motor protection			
Type	SD100 - NEMA Premium Efficiency				Type of construction	E: C-Flange w Feet		
HP	20.0	Rating	Cont.		Motor protection	A: No winding protection		
Voltage	12: 460V STD, 60Hz		Ins. Class	Class F (Standard)		Terminal box design	2: Mounting - F-2	
Amps	25.0 A		S.F.	1.15		Bearing Data		
FL RPM	1770		Amb. Temp.	40 deg C				
FL Efficiency	93.0 %		Temp. Rise	Class B				
FRAME	256T		kVA Code	H				
DE AFBMA	45BC03JP3		NEMA Des	B		Bearing Size	6309 Z C3	6309 Z C3
ODE AFBMA	45BC03JP3		Mtr WT	319.29		Bearing Type	Ball Bearing	Ball Bearing
60 Hertz	3 Ph	TEFC	IP	55		AFBMA	45BC03JP3	45BC03JP3
					55			

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		93.1 %	93.4 %	93.0 %	
Power Factor		65.3	75.9	80.5	
Current (A)	10.5 A	15.4 A	19.8 A	25.0 A	145.0 A
Inverter Duty	VT	20:1	CT	20:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	15	COLD (s)	33	
Rtr wt (lbs)	81.36	Rtr WK2	2.06		
FLT (lb-ft)	60.000	LRT	110.000	BDT	144.000
Ext Load Inertia (WK2) Capability	270.0 lb-ft²				

Typical Noise Data									
A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)								
Pressure Level	125	250	500	1000	2000	4000	8000	SPL	72
at 3 feet	49	60	67	68	66	63	50	SPwrL	83

Wiring Connection Information					Special design :				
Description									
Voltage	L1	L2	L3	Connected together					
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HIGH	T1	T2	T3	----					

Lubrication Information	
Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	-/-
ODEnd Capacity (oz.)	-/-
Relubricate bearings every six months (more frequent if conditions require). See Instruction Manual.	