SIEMENS

NEMA Motor Data

MLFB-Ordering data : **1MB2121-1CB31-3AG3**

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

Item no. :
Consignment no. :
Project :

Nameplate Data

Type	XP100 CI, Groups C&D, CII, Groups F&G, Div 1		
HP	5.0	Rating	Cont.
Voltage	(13) 575V STD 60Hz	Ins. Class	Insulation class F
Amps	5.1 A	S.F.	1.15
FL RPM	1755	Amb. Temp.	40 deg C
FL Efficiency	89.5 %	Temp. Rise	Class B
FRAME	184T	kVA Code	J
DE AFBMA	30BC02JPP30	NEMA Des	B
ODE AFBMA	30BC02JPP30	Mtr WT	125
60 Hertz	3 Ph TEFC	IP	65

Mounting and motor protection

Type of construction	(A) Foot mounted - End shield
Motor protection	(G) Thermostats, Klixon type, normally
Terminal box design	(3) Mounting - F-1

Bearing Data

	DE	ODE
Bearing Size	6206 ZZ C3 S0	6206 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	30BC02JPP30	30BC02JPP30

Typical Performance Data

Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		89.2 %	90.0 %	89.5 %	
Power Factor		63.6	75.1	80.5	
Current (A)	2.4 A	3.3 A	4.2 A	5.1 A	40.0 A

Inverter Duty	VT	20:1	CT	4:1

Mechanical Data

SAFE STALL TIME	HOT (s)	14	COLD (s)	29	
Rtr wt (lbs)	26.9	Rtr WK2	0.2600		
FLT (ft-lbs)	15.0	LRT	33.0	BDT	53.0
Ext Load Inertia (WK2) Capability		27.0			

Typical Noise Data

A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)									
Pressure Level	63	125	250	500	1000	2000	4000	8000	SPL	63
at 3 feet		33	51	54	60	58	48	39	SPwrL	72

Wiring Connection Information

Description 3 PHASE - 3 LEAD - WYE

Voltage	L1	L2	L3	Connected together	
-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-
-- -- --	T1	T2	T3	-- -- --	Y

Special design :

Lubrication Information

Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.20
ODEnd Capacity (oz.)	0.20

Relubricate bearings every six months (more frequent if conditions require). See Instruction Manual.