



Customer information packet

CEWDM4419T

75HP, 890RPM, 3PH, 60HZ, 444TC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	444TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	179.000 A @ 230.0 V 89.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	89.3 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	F

Part detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4750
Layout	617435-162
Eff. date	09-26-2019
CD Diagram	416820-002
Poles	08
Leads	3#2,6#4
Proprietary	False
Created date	09-12-2019

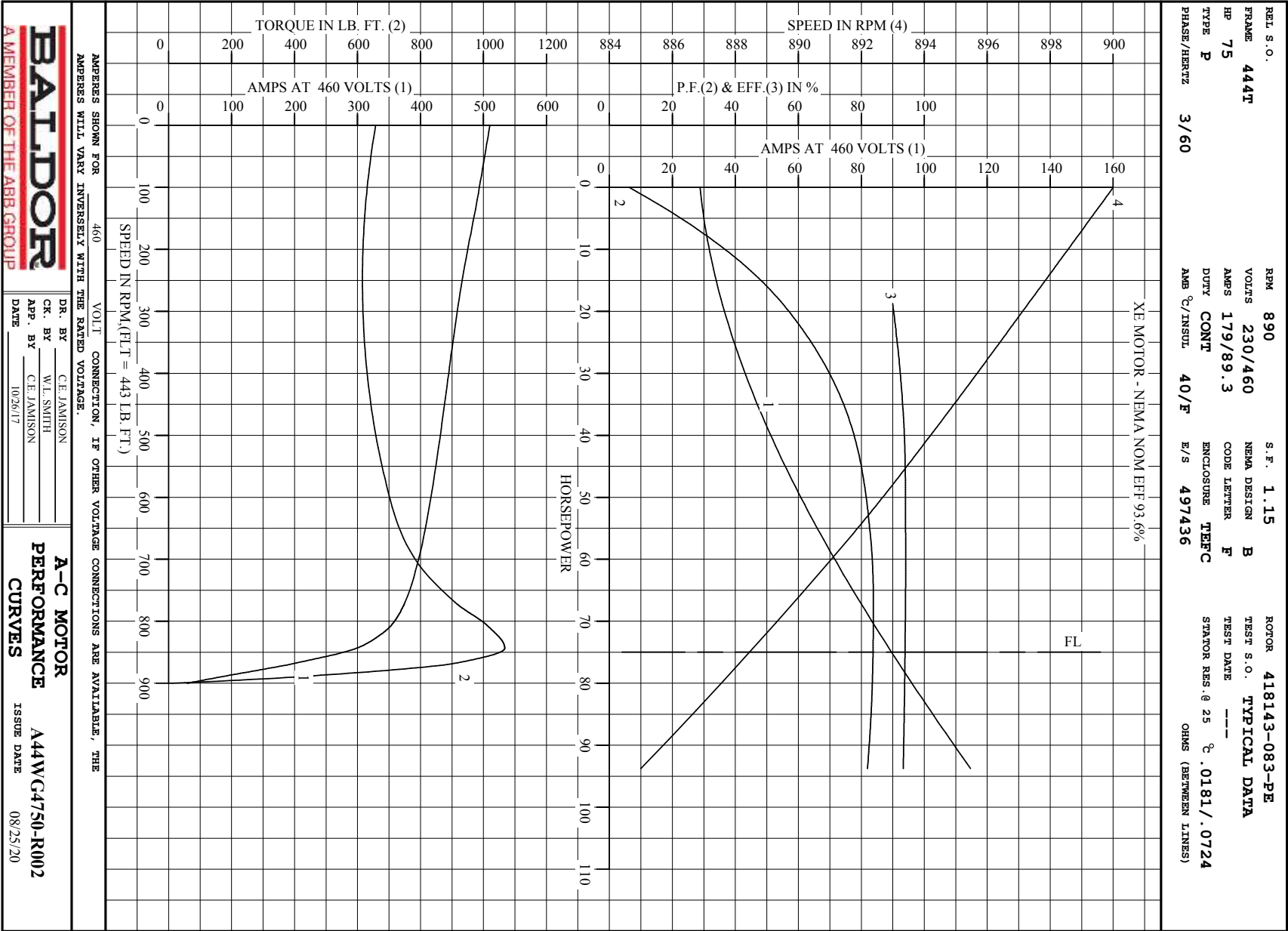
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44072M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	44.96 IN
Power Factor	83
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A44-8399-4750			CAT.NO.	CEWDM4419T					FRAME	444TC	
HP	75	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	890	AMPS	179/89.3		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	90BC03JPP30A		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	90BC03JPP30A		ENCL	TEFC	CODE	F						
SER.NO.				POWER FACTOR	83	NEMA-NOM-EFFICIENCY					93.6	
						MAX CORR KVAR			19	GUARANTEED EFFICIENCY		92.4
	IP55					NEMA NOM/CSA QUOTED EFF						
	2:1CT AND 2:1VT ON VPWM INVERT					ER, 1.00SF			MOTOR WEIGHT		1989	



REL. S.O.
FRAME 444T
HP 75
TYPE P
PHASE/HERTZ 3/60

RPM 890
VOLTS 230/460
AMPS 179/89.3
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 497436

ROTOR 418143-083-PE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 0181/.0724
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1

0.00
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

0 100 200 300 400 500 600 700

OVERLOAD

ACCELERATION

LOCKED-ROTOR, 40 C

LOCKED-ROTOR

MOTOR INITIAL TEMPERATURE:
99 C FOR OVERLOAD AND ACC
99 C FOR LOCKED-ROTOR

TIME IN SEC.

% FULL LOAD CURRENT

REMARKS:

THERMAL LIMIT CURVE
XE MOTOR - NEMA NOM EFF 93.6%

AMPERES SHOWN FOR 460
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

BALDOR

A MEMBER OF THE ABB GROUP

DR. BY CE JAMISON
CK. BY W.L. SMITH
APP. BY CE JAMISON
DATE 10/26/17

A-C MOTOR
PERFORMANCE
CURVES

A44WG4750-R002
ISSUE DATE 08/25/20

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