ABB BALDOR RELIANCE

Customer information packet

VRBM3161T

3HP, 1700RPM, 3PH, 60HZ, 182TC, 7542M, TEFC, F3
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Aluminum
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.400 A @ 460.0 V
	8.800 A @ 230.0 V
Design Code	D
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Standards	NEMA
Motor Type	7542M

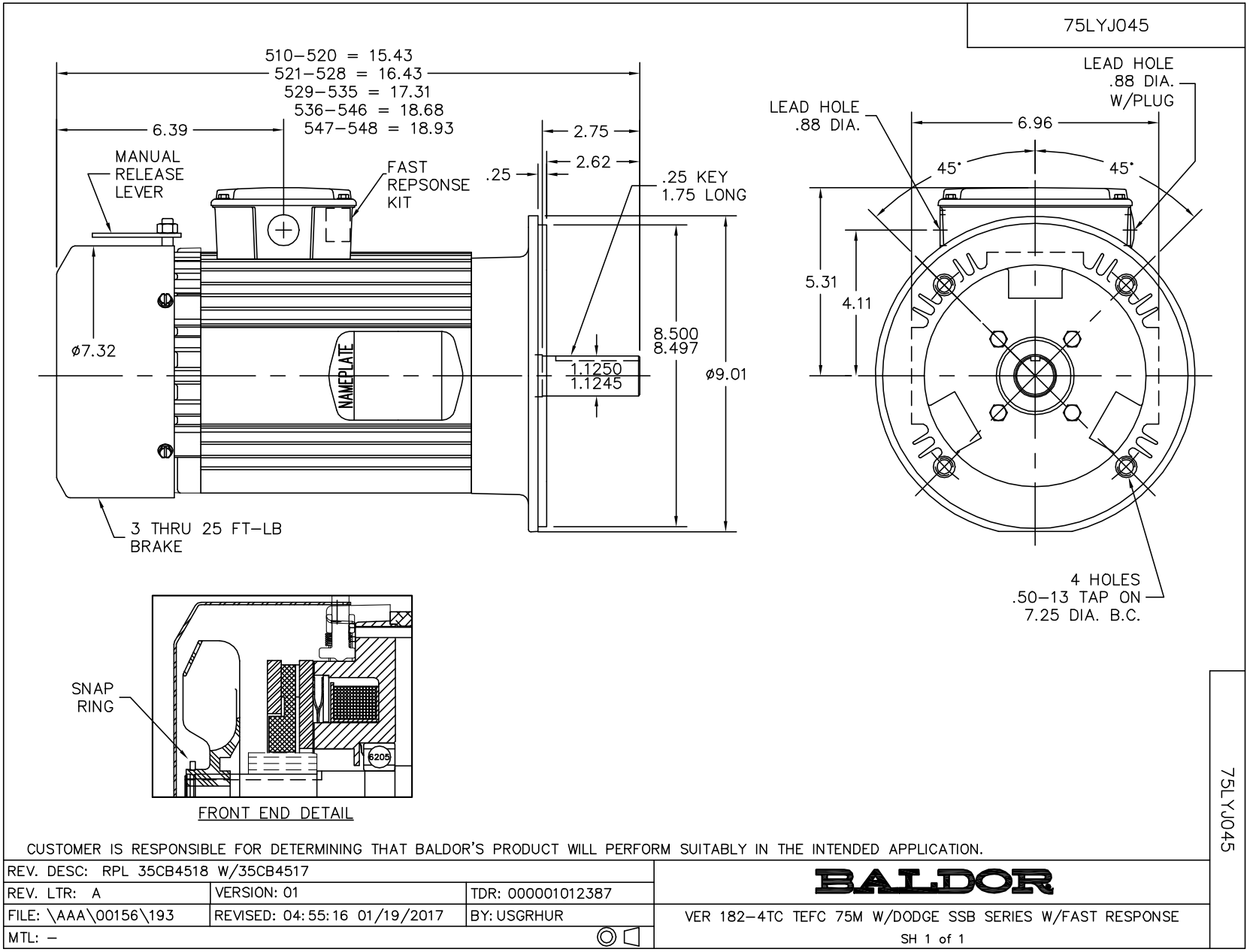
Part Detail

Revision	E
Type	AC
Mech. spec.	75J045
Base	
Status	INA/A
Elec. spec.	75WGW119
Layout	75LYJ045
Eff. date	05-10-2018
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	09-26-2016

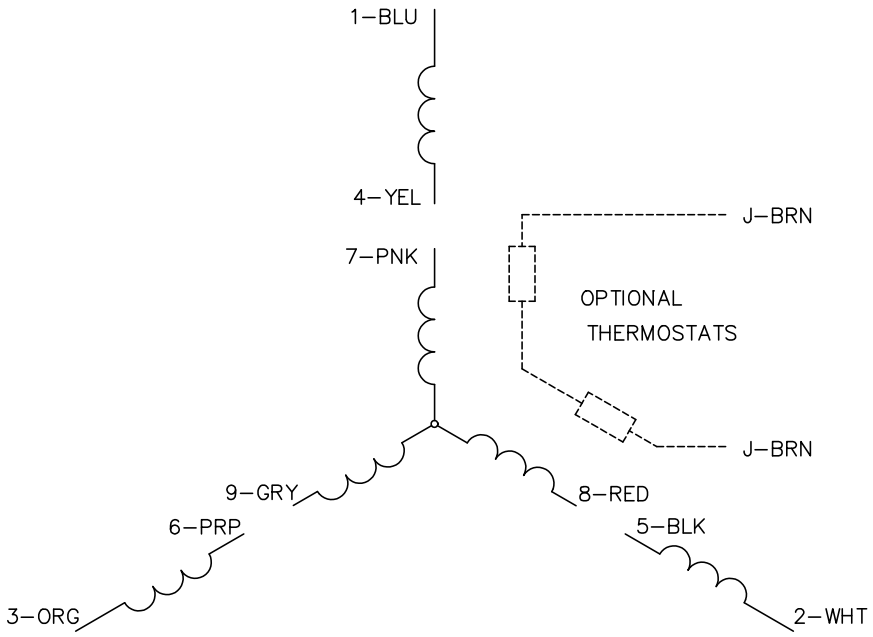
Mounting Arrangement	F3
Number of Poles	4
Overall Length	18.68 IN
Power Factor	75
Product Family	General Purpose
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1700 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Winding Thermal 1	None
Winding Thermal 2	None

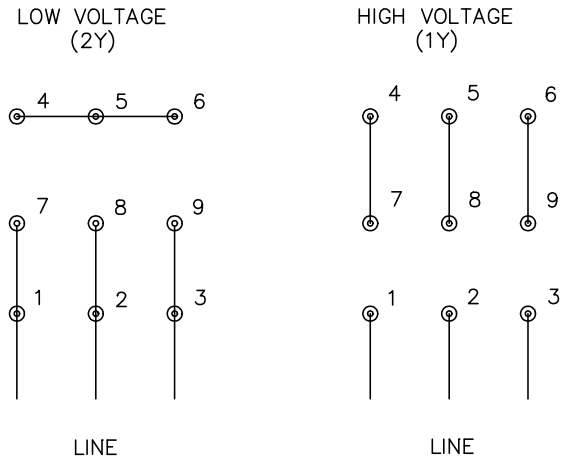
Nameplate

NP1256L								
CAT.NO.	VRBM3161T							
SPEC.	75J045W119G1							
HP	3							
VOLTS	230/460							
AMP	8.8/4.4							
RPM	1700							
FRAME	182TC	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	D	**CLASS**	F	
NEMA-NOM-EFF	85.5	**PF**	75					
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6205					
ENCL	TEFC	**SN**						


75LYJ045
510–520 = 15.43
521–528 = 16.43
529–535 = 17.31
536–546 = 18.68
547–548 = 18.93
6.39
2.75
2.62
.25
.25 KEY
1.75 LONG
MANUAL
RELEASE
LEVER
FAST
REPSONSE
KIT
ø7.32
NAMEPLATE
8.500
8.497
1.1250
1.1245
ø9.01
3 THRU 25 FT–LB
BRAKE
LEAD HOLE
.88 DIA.
W/PLUG
LEAD HOLE
.88 DIA.
6.96
45°
45°
5.31
4.11
4 HOLES
.50–13 TAP ON
7.25 DIA. B.C.
SNAP
RING
6205
FRONT END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: RPL 35CB4518 W/35CB4517
REV. LTR: A
VERSION: 01
TDR: 000001012387
FILE: \AAA\00156\193
REVISED: 04:55:16 01/19/2017
BY: USGRHUR
MTL: –
BALDOR
VER 182–4TC TEFC 75M W/DODGE SSB SERIES W/FAST RESPONSE
SH 1 of 1
75LYJ045

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS