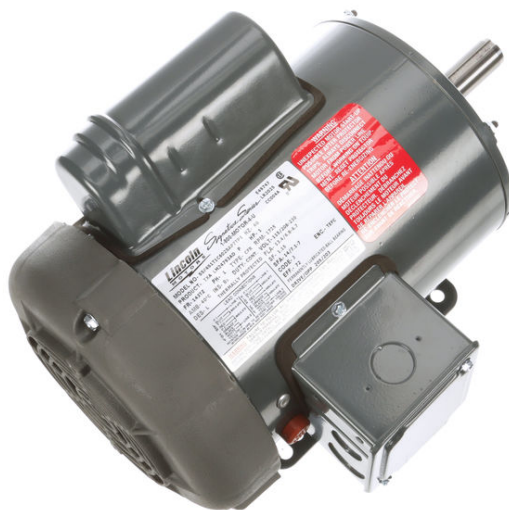


PRODUCT INFORMATION PACKET



Model No: LM24793
Catalog No: LM24793
1 HP Agricultural Motor, 1 phase, 1800 RPM, 115/208-230 V, 143TZ Frame, TEFC
Agricultural Motors



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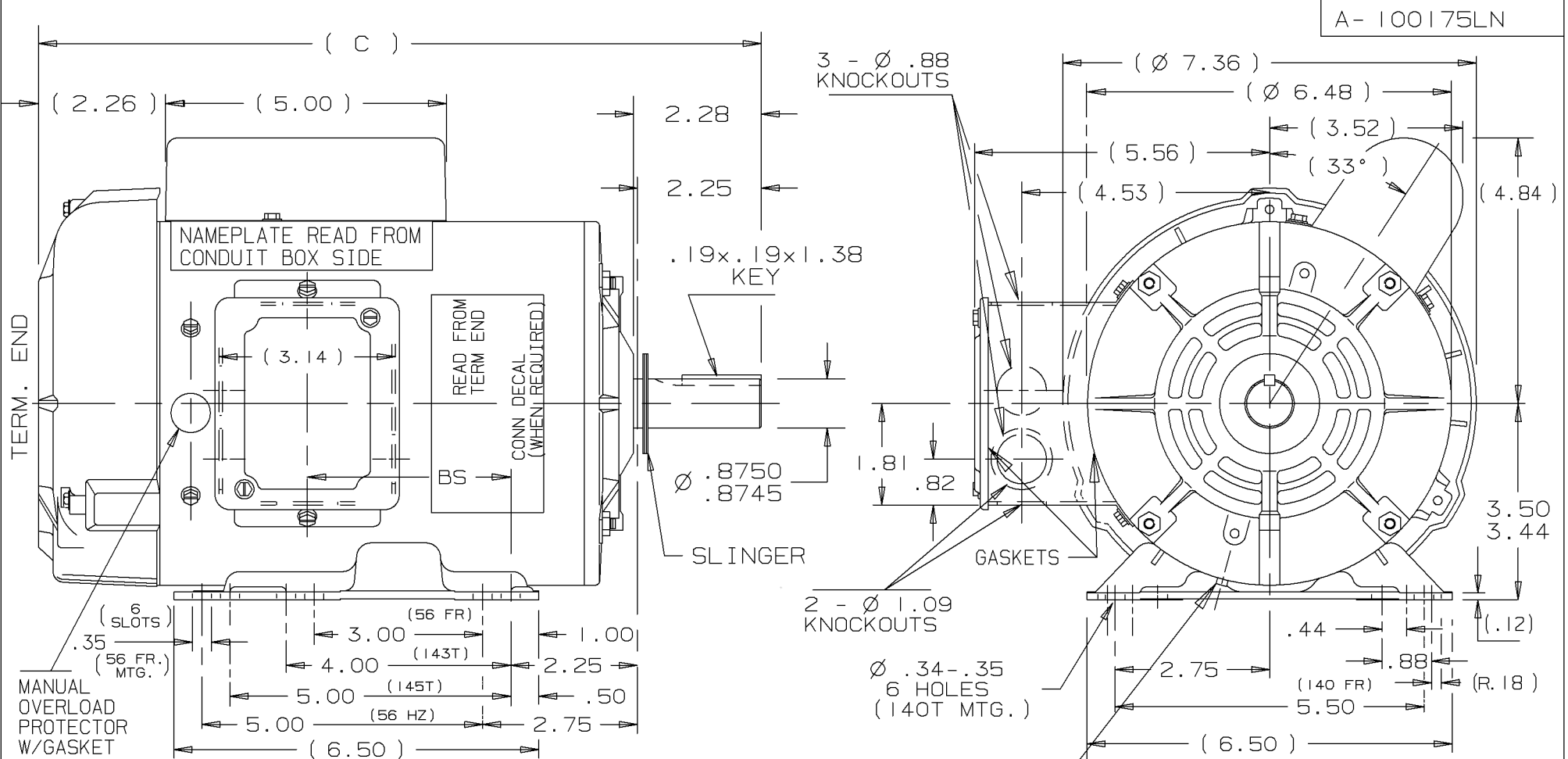
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	13.4/6.8-6.7 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	72 %	Power Factor	69.5
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Frame	143TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	205	Opp Drive End Bearing Size	203
UL	Recognized (Not Protector)	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	12.87 in
Frame Length	7.56 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	100175LN-756	Connection Drawing	102005-52-LN

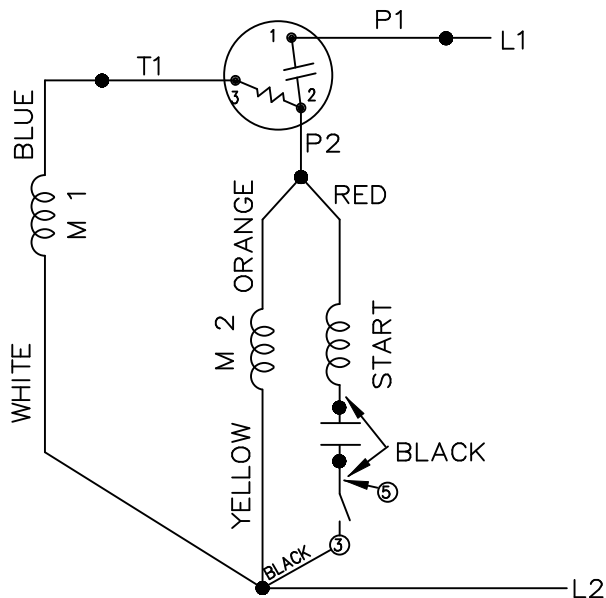
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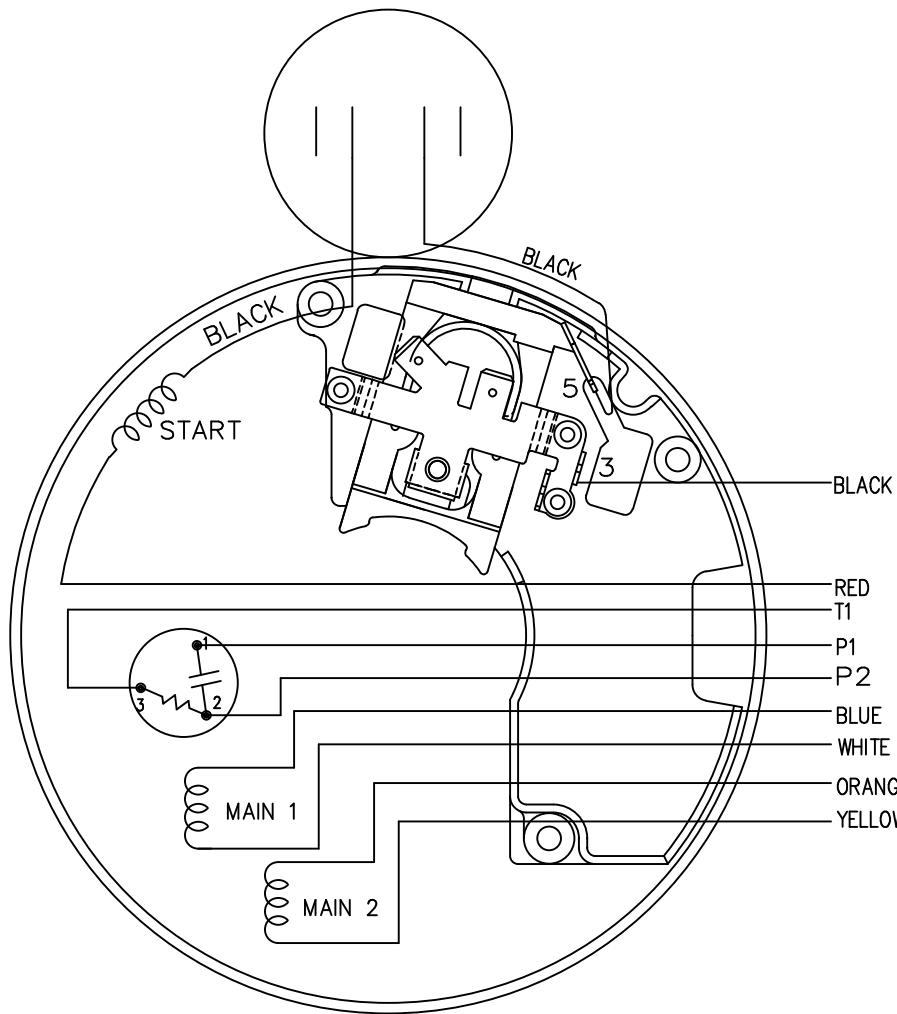
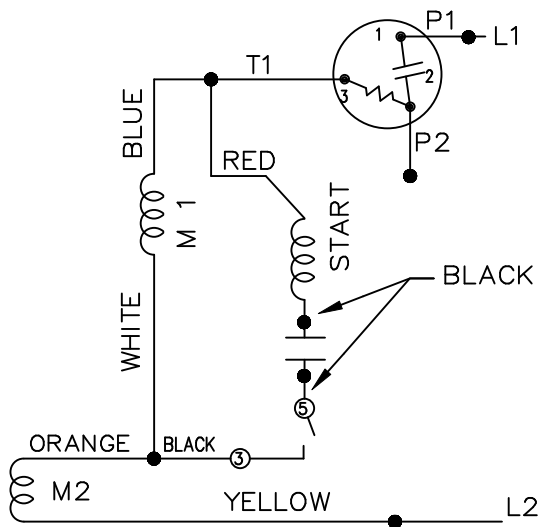
DASH	FR.	C	BS		DASH	FR.	C	BS	
756	140T-56HZ	12.87	3.58						

						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.03 XXX±.005 XXXX±.0005 ANGLES± 7'30"			
						MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED	FINISH	MATERIAL	DRAWN BY TJB CHKD BY ML APPD BY GK
1	12-14-1999	NEW DRAWING		TJB	PART NAME OUTLINE 140T FR 56 HZ - TEFC - 1Ø - BB				DRWG NO A-100175LN
REV	DATE	CHANGE		NAME	PURCHASED				CADD FILE NO. 100175LN

LOW VOLTAGE - CCW

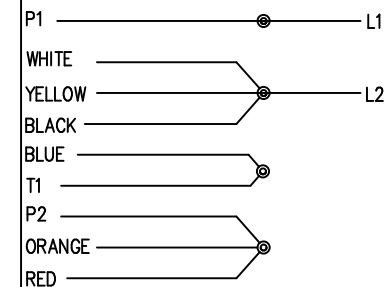


HIGH VOLTAGE - CCW

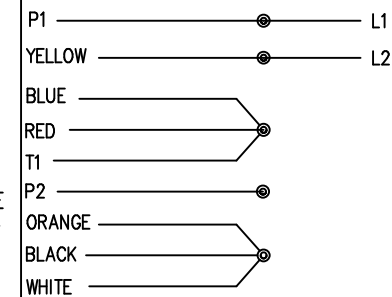


DUAL VOLTAGE
CAPACITOR START
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION
EITHER VOLTAGE
INTERCHANGE RED
WITH BLACK

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

ANG ±7'30"



TITLE CONNECTION DIAGRAM

DRAWN TAT 9-8-2003

CHK ML 9-8-2003

APPD GK 9-8-2003

SCALE 5=8

REF

FMF

PREV

1 NEW DRAWING

TAT 9-8-2003

ML

.XXXX ±.0005

MAT'L.

NO. REVISION

BY & DATE

CHK

ANG ±7'30"

FINISH

THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

RFP

CAD FILE 102005-52-ln

SIZE

DRAWING NO. PAGE OF

REV.

DIST WP

A

102005-52-LN

1



2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 102005-52-LN

OUTLINE: A-100175LN-756

WINDING #: ZC407 3

CATALOG #: LM24793

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	143TZ	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	13.4/6.8-6.7	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70	1/2 LOAD EFF:	64.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	69.5	3/4 LOAD PF:	60.5	1/2 LOAD PF:	49	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.3 OZ-FT	69.4 / 34.7	145 OZ-FT 300 %	122 OZ-FT 253 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	33 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
205	203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

*
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*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz



GRAFTON, WI
PH. 262-277-8810

CERTIFICATION DATA SHEET

CUSTOMER:

ORDER #:
CONN. DIAGRAM: 102005-52-LN
OUTLINE: A-100175LN-756
WINDING #: ZC407 3

CUSTOMER PO#:

PRODUCT #: AD
MODEL #: SSF4S1T1C6028AP7TP1
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	143TZ	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	13.4/6.8-6.7	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70	1/2 LOAD EFF:	64.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	69.5	3/4 LOAD PF:	60.5	1/2 LOAD PF:	49	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.3 OZ-FT	69.4 / 34.7	142.5 OZ-FT 0 %	122 OZ-FT 0 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	6.1 LB-FT^2	5 SEC.	2	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
205	203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E
S
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh
Suddula **DATE:**
02/25/2019 03:12:17 AM
FORM 3531 REV.3 02/07/99
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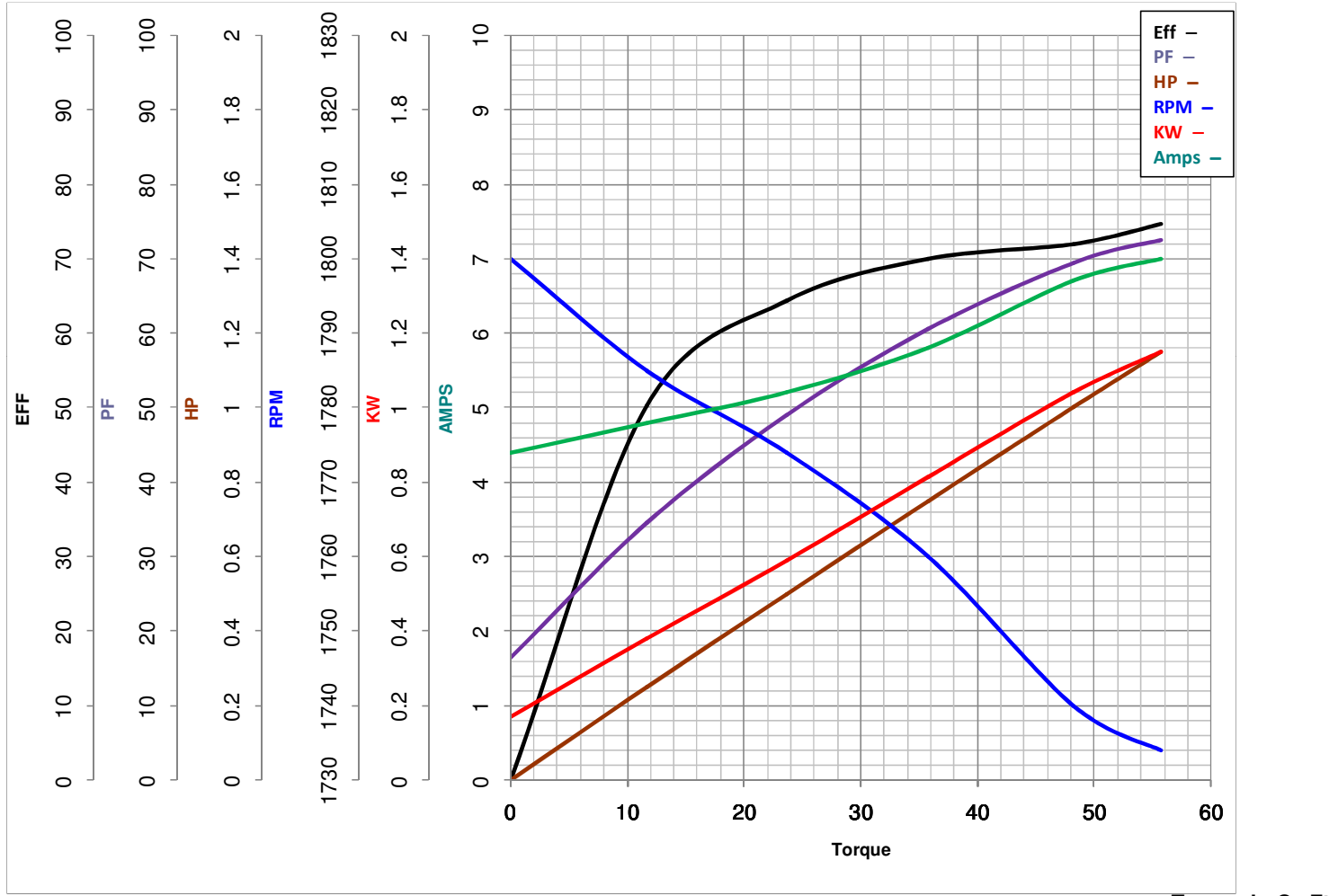
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM24793

Curve at 230 Volts HP 1.00 PHASE 1
60 HZ
1 HP VOLTS 115/208-230

Catalog No LM24793AD

HZ 60 RPM 1725



FL TORQUE	<u>48.3</u>	Oz.Ft	FL AMPS	<u>13.4/6.8-6.7</u>
BD TORQUE	<u>122.0</u>	Oz.Ft	PU TORQUE	<u>101.0</u>
LR TORQUE	<u>142.5</u>	Oz.Ft	LR AMPS	<u>34.7</u>
WINDING	<u>ZC407-3</u>		Date	<u>3/22/2018</u>