

marathon®
Motors

A black Marathon Thermal-Protection motor with a silver-colored end frame and a black mounting base. The motor has a label with technical specifications and a barcode. The label includes the Marathon logo, model number 500-01, and various electrical and mechanical ratings. The motor is shown from a side-on perspective, highlighting its compact design and protective features.

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1 of 4

Nameplate Specifications

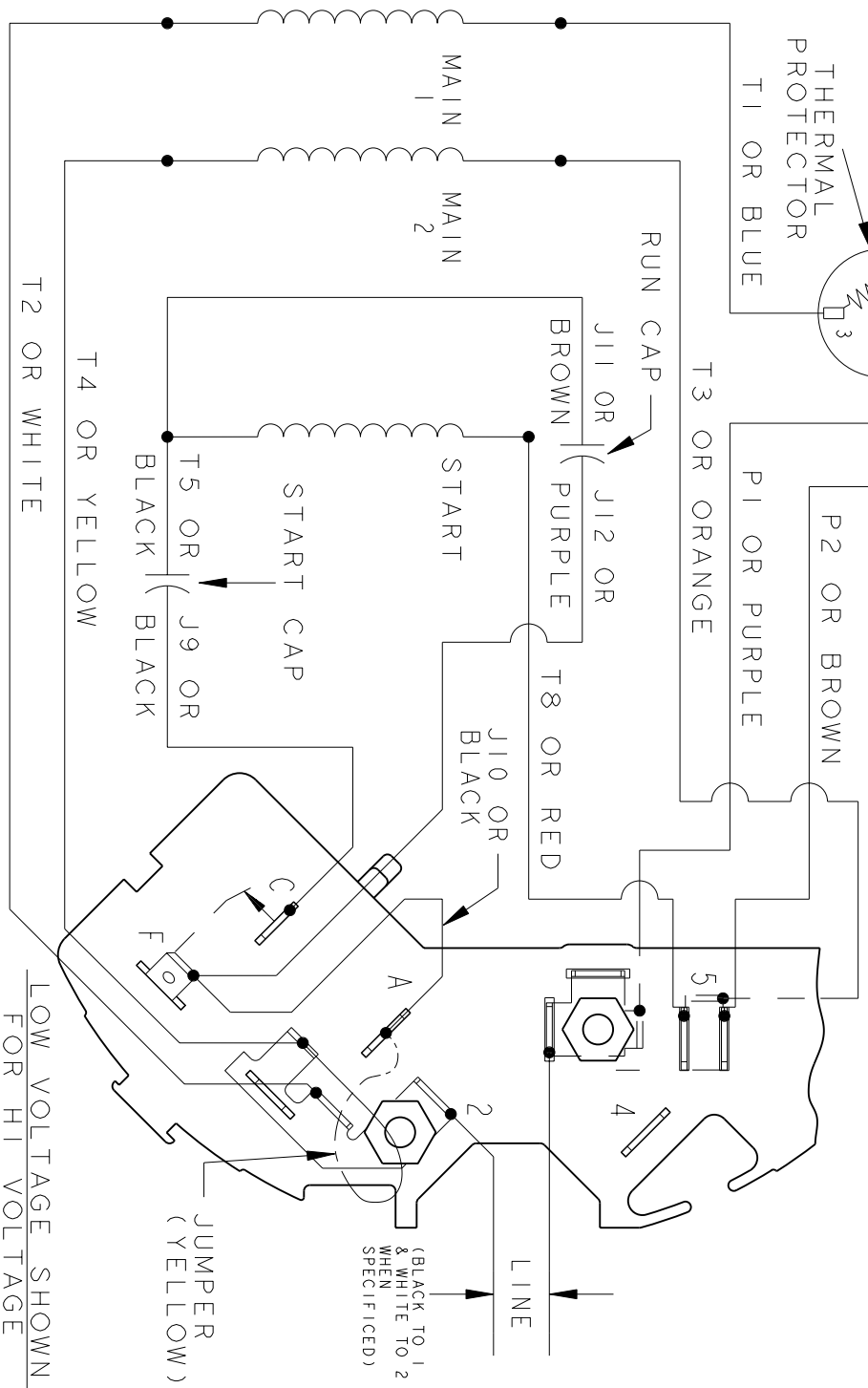
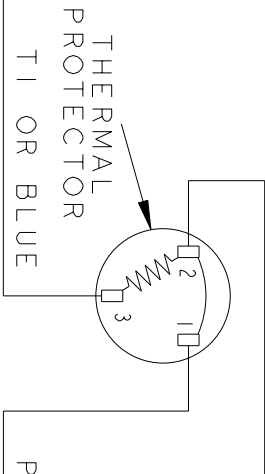
Output HP	1.5 Hp	Output KW	1.12 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	16.4,8.4-8.2 A	Speed	1725 rpm
Service Factor	1.15	Phases	1
Efficiency	77 %	Duty	CONT
Insulation Class	B	KVA Code	J
Frame	56H	Enclosure	DP
Overload Protector	AUTO	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Yes
CE	N		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run(CSCR)	Starting Method	SM
Poles	4	Rotation	CCW/CW
Mounting	RB	Motor Orientation	ANY
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Overall Length	11.9 in
Frame Length	7.68 in	Shaft Diameter	0.63 in
Shaft Extension	1.88 in		

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
4	ADDED NOTE FOR LINE LEAD PER DS09-1045	07/15/09	ARCHANA

EITHER ROTATION - DUAL VOLTAGE
TYPE KCR WITH
THERMAL PROTECTOR



- NOTE #1 - FOR HI VOLTAGE REMOVE BROWN (P2) FROM TERMINAL #5 AND PLACE ON TERMINAL #4, REMOVE WHITE (T2) FROM TERMINAL #2 AND PLACE ON TERMINAL #5.
- NOTE #2 - TO REVERSE ROTATION INTERCHANGE BLACK (J10) AND RED (T8) LEADS.
- NOTE #3 - WHEN MORE THAN ONE CAPACITOR IS USED CONNECT IN PARALLEL.

REF. DIAG. - NONE

SWITCH - 115D958AC

CONNECTION LABEL - 52X332051

SIGNATURES

DATE

MODEL

M.D.PAPE

03/03/88

DETAIL

CHECKED

ENGRG

MFG

FOR ADDITIONAL INFO REFER TO:

APPLIED PRACTICES

DIMENSIONS ARE IN INCHES

QUALITY

ISSUED

M.D.P.

03/03/88

MATERIAL

SOLID MODEL: 52A105383AC

REGAL-BELOIT CORPORATION

TITLE

CONNECTION DIAGRAM

FMF:

30 FRAME SWITCH REDESIGN

SIZE

DRAWING

A

SCALE: 1.000

REF. No: .

52A105383AC

REV

4