

PRODUCT INFORMATION PACKET



Model No: C198L
Catalog No: C198L
1/4 HP General Purpose Motor, 1 phase, 1500 RPM, 115/230 V, 48 Frame, TENV
Single Phase TENV Motors



Century AC MOTOR
SER 279152 MOTOR MUST BE GROUNDED
TYPE C SF 1.00
SFP 1725 PH
V 115/230
A 3.51 B
NS 50/50
PS B
TENV TENV
SOUND 68/70/72/74/76/78/80/82/84/86/88/90/92/94/96/98/100/102/104/106/108/110/112/114/116/118/120/122/124/126/128/130/132/134/136/138/140/142/144/146/148/150/152/154/156/158/160/162/164/166/168/170/172/174/176/178/180/182/184/186/188/190/192/194/196/198/200/202/204/206/208/210/212/214/216/218/220/222/224/226/228/230/232/234/236/238/240/242/244/246/248/250/252/254/256/258/260/262/264/266/268/270/272/274/276/278/280/282/284/286/288/290/292/294/296/298/300/302/304/306/308/310/312/314/316/318/320/322/324/326/328/330/332/334/336/338/340/342/344/346/348/350/352/354/356/358/360/362/364/366/368/370/372/374/376/378/380/382/384/386/388/390/392/394/396/398/400/402/404/406/408/410/412/414/416/418/420/422/424/426/428/430/432/434/436/438/440/442/444/446/448/450/452/454/456/458/460/462/464/466/468/470/472/474/476/478/480/482/484/486/488/490/492/494/496/498/500/502/504/506/508/510/512/514/516/518/520/522/524/526/528/530/532/534/536/538/540/542/544/546/548/550/552/554/556/558/560/562/564/566/568/570/572/574/576/578/580/582/584/586/588/590/592/594/596/598/600/602/604/606/608/610/612/614/616/618/620/622/624/626/628/630/632/634/636/638/640/642/644/646/648/650/652/654/656/658/660/662/664/666/668/670/672/674/676/678/680/682/684/686/688/690/692/694/696/698/700/702/704/706/708/710/712/714/716/718/720/722/724/726/728/730/732/734/736/738/740/742/744/746/748/750/752/754/756/758/760/762/764/766/768/770/772/774/776/778/780/782/784/786/788/790/792/794/796/798/800/802/804/806/808/810/812/814/816/818/820/822/824/826/828/830/832/834/836/838/840/842/844/846/848/850/852/854/856/858/860/862/864/866/868/870/872/874/876/878/880/882/884/886/888/890/892/894/896/898/900/902/904/906/908/910/912/914/916/918/920/922/924/926/928/930/932/934/936/938/940/942/944/946/948/950/952/954/956/958/960/962/964/966/968/970/972/974/976/978/980/982/984/986/988/990/992/994/996/998/1000/1002/1004/1006/1008/1010/1012/1014/1016/1018/1020/1022/1024/1026/1028/1030/1032/1034/1036/1038/1040/1042/1044/1046/1048/1050/1052/1054/1056/1058/1060/1062/1064/1066/1068/1070/1072/1074/1076/1078/1080/1082/1084/1086/1088/1090/1092/1094/1096/1098/1100/1102/1104/1106/1108/1110/1112/1114/1116/1118/1120/1122/1124/1126/1128/1130/1132/1134/1136/1138/1140/1142/1144/1146/1148/1150/1152/1154/1156/1158/1160/1162/1164/1166/1168/1170/1172/1174/1176/1178/1180/1182/1184/1186/1188/1190/1192/1194/1196/1198/1200/1202/1204/1206/1208/1210/1212/1214/1216/1218/1220/1222/1224/1226/1228/1230/1232/1234/1236/1238/1240/1242/1244/1246/1248/1250/1252/1254/1256/1258/1260/1262/1264/1266/1268/1270/1272/1274/1276/1278/1280/1282/1284/1286/1288/1290/1292/1294/1296/1298/1300/1302/1304/1306/1308/1310/1312/1314/1316/1318/1320/1322/1324/1326/1328/1330/1332/1334/1336/1338/1340/1342/1344/1346/1348/1350/1352/1354/1356/1358/1360/1362/1364/1366/1368/1370/1372/1374/1376/1378/1380/1382/1384/1386/1388/1390/1392/1394/1396/1398/1400/1402/1404/1406/1408/1410/1412/1414/1416/1418/1420/1422/1424/1426/1428/1430/1432/1434/1436/1438/1440/1442/1444/1446/1448/1450/1452/1454/1456/1458/1460/1462/1464/1466/1468/1470/1472/1474/1476/1478/1480/1482/1484/1486/1488/1490/1492/1494/1496/1498/1500/1502/1504/1506/1508/1510/1512/1514/1516/1518/1520/1522/1524/1526/1528/1530/1532/1534/1536/1538/1540/1542/1544/1546/1548/1550/1552/1554/1556/1558/1560/1562/1564/1566/1568/1570/1572/1574/1576/1578/1580/1582/1584/1586/1588/1590/1592/1594/1596/1598/1600/1602/1604/1606/1608/1610/1612/1614/1616/1618/1620/1622/1624/1626/1628/1630/1632/1634/1636/1638/1640/1642/1644/1646/1648/1650/1652/1654/1656/1658/1660/1662/1664/1666/1668/1670/1672/1674/1676/1678/1680/1682/1684/1686/1688/1690/1692/1694/1696/1698/1700/1702/1704/1706/1708/1710/1712/1714/1716/1718/1720/1722/1724/1726/1728/1730/1732/1734/1736/1738/1740/1742/1744/1746/1748/1750/1752/1754/1756/1758/1760/1762/1764/1766/1768/1770/1772/1774/1776/1778/1780/1782/1784/1786/1788/1790/1792/1794/1796/1798/1800/1802/1804/1806/1808/1810/1812/1814/1816/1818/1820/1822/1824/1826/1828/1830/1832/1834/1836/1838/1840/1842/1844/1846/1848/1850/1852/1854/1856/1858/1860/1862/1864/1866/1868/1870/1872/1874/1876/1878/1880/1882/1884/1886/1888/1890/1892/1894/1896/1898/1900/1902/1904/1906/1908/1910/1912/1914/1916/1918/1920/1922/1924/1926/1928/1930/1932/1934/1936/1938/1940/1942/1944/1946/1948/1950/1952/1954/1956/1958/1960/1962/1964/1966/1968/1970/1972/1974/1976/1978/1980/1982/1984/1986/1988/1990/1992/1994/1996/1998/2000/2002/2004/2006/2008/2010/2012/2014/2016/2018/2020/2022/2024/2026/2028/2030/2032/2034/2036/2038/2040/2042/2044/2046/2048/2050/2052/2054/2056/2058/2060/2062/2064/2066/2068/2070/2072/2074/2076/2078/2080/2082/2084/2086/2088/2090/2092/2094/2096/2098/2100/2102/2104/2106/2108/2110/2112/2114/2116/2118/2120/2122/2124/2126/2128/2130/2132/2134/2136/2138/2140/2142/2144/2146/2148/2150/2152/2154/2156/2158/2160/2162/2164/2166/2168/2170/2172/2174/2176/2178/2180/2182/2184/2186/2188/2190/2192/2194/2196/2198/2200/2202/2204/2206/2208/2210/2212/2214/2216/2218/2220/2222/2224/2226/2228/2230/2232/2234/2236/2238/2240/2242/2244/2246/2248/2250/2252/2254/2256/2258/22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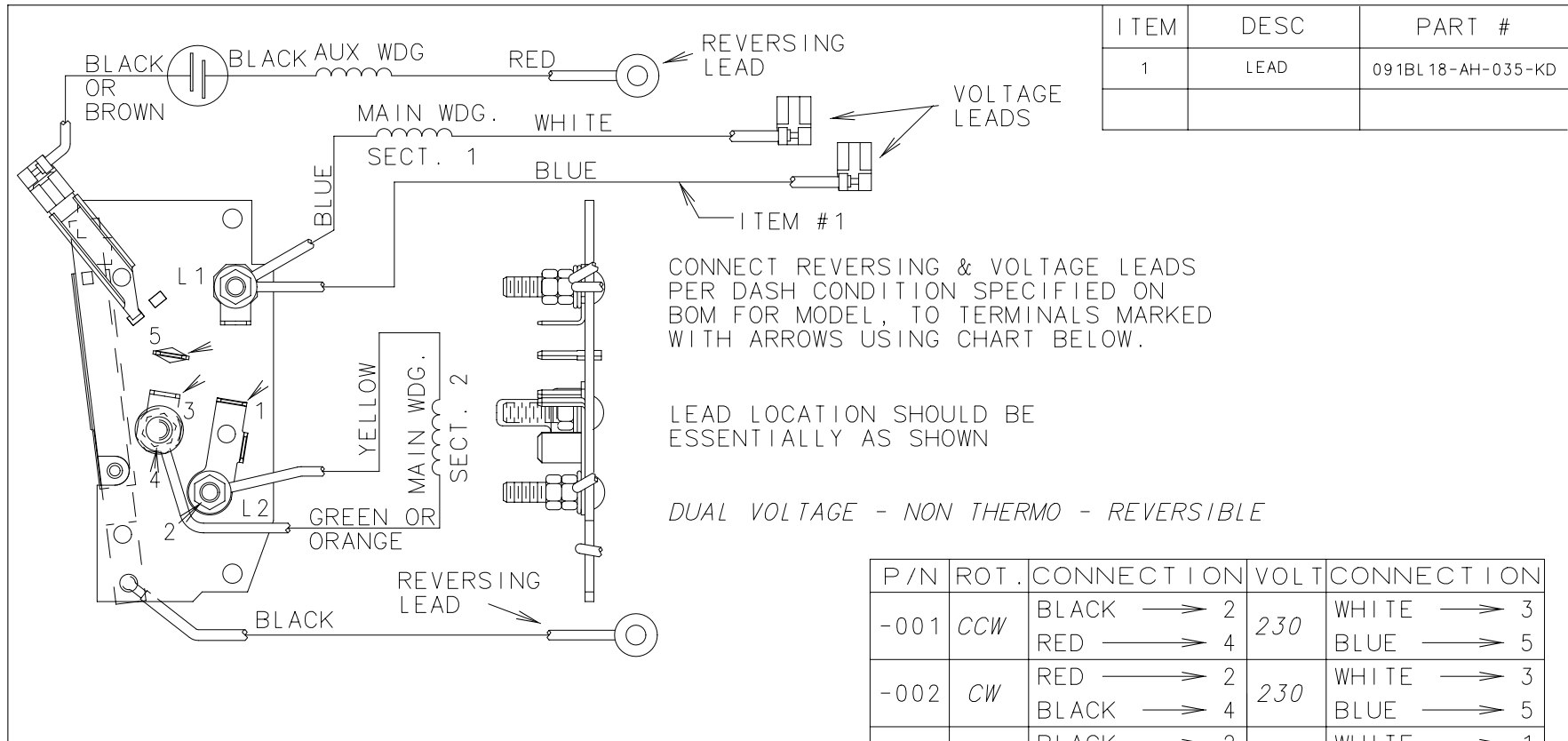
Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	50 Hz	Voltage	115/230 V
Current	3.6/1.8 A	Speed	1725 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	48	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	10.40 in
Frame Length	6.06 in	Shaft Diameter	0.500 in
Shaft Extension	1.56 in		

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ITEM	DESC	PART #
1	LEAD	091BL18-AH-035-KD

CONNECT REVERSING & VOLTAGE LEADS PER DASH CONDITION SPECIFIED ON BOM FOR MODEL, TO TERMINALS MARKED WITH ARROWS USING CHART BELOW.

LEAD LOCATION SHOULD BE ESSENTIALLY AS SHOWN

DUAL VOLTAGE - NON THERMO - REVERSIBLE

P/N	ROT.	CONNECTION	VOLT	CONNECTION
-001	CCW	BLACK → 2 RED → 4	230	WHITE → 3 BLUE → 5
-002	CW	RED → 2 BLACK → 4	230	WHITE → 3 BLUE → 5
-003	CCW	BLACK → 2 RED → 4	115	WHITE → 1 BLUE → 3
-004	CW	RED → 2 BLACK → 4	115	WHITE → 1 BLUE → 3

7/26/02	REVISE AND REDRAW ADD ITEM 1	MS	MG	0218082
DATE	CHANGED FROM	ENG	DRF	NOTICE
		APPROVED		

- GEOMETRIC CHARACTERISTICS & SYMBOLS
- FLATNESS
 - STRAIGHTNESS
 - ∠ ANGULARITY
 - ⊥ PERPENDICULARITY (SQUARENESS)
 - // PARALLELISM
 - ROUNDNESS (CIRCULARITY)
 - ⊘ CYLINDRICITY
 - △ PROFILE OF ANY SURFACE
 - ⊖ PROFILE OF ANY LINE
 - ↻ RUNOUT
 - ⊕ TRUE POSITION
 - ◎ CONCENTRICITY

UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCES ARE AS FOLLOWS

.X .XX .XXX
INCHES ±.02 ±.005
METRIC ±.5 ±.13

ANGLES ±.50 DEG
REMOVE BURRS AND BREAK SHARP EDGES .003-.015, CORNER FILLETS TO .020 MACHINE SURFACES 125✓

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MATERIAL -

PROCESS -

DRAWN GRASTY 07/24/02

APPROVED -

REFERENCE -

APPLICATION -

A.O. SMITH A DIVISION OF A.O. SMITH CORPORATION
ELECTRICAL PRODUCTS COMPANY
TIPP CITY, OHIO

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DESCRIPTION TYPE FJ/FZ CONNECTION DIAG. EXTERNAL

SIZE **A** PART NUMBER 619436