

AMETEK / LAMB ELECTRIC MOTOR GUIDE

ABBREVIATIONS

| | | |
|--|---|--------------------------------------|
| AS Air Seal | HA High Air Flow | PHP Peak Horsepower |
| B/B Double Ball Bearings | HD Heavy Duty | QBP Quiet By Pass "Acustek" |
| B/S Ball and Sleeve Bearings | HE High Efficiency | RD Redesign |
| BPP By Pass - Peripheral Discharge | HP High Performance | SP Standard Performance |
| BPT By Pass - Tangential Discharge | I Iridite Treatment on Fan Casing | STG Stages |
| CB Closed Bracket | INCHES Inches of Waterlift | TF Thru Flow Design |
| CFM Cubic Feet per Minute | IT Inlet Tube on Fan Shell | TP105C Thermal Protector 105°C |
| DERATED Derated Performance | LL Long Life Design | TP110C Thermal Protector 110°C |
| DI Double Insulated | MB Metal Fan Bracket | TP120C Thermal Protector 120°C |
| E Epoxy Painted Fan Shell | OB Open Bracket | V Volts |
| FF Full Frame Design | OBS Obsolete Model | W Watts |
| | PB Plastic Bracket | |

7.5" Peripheral Bypass -- Industrial Duty

- *commercial/industrial vacuum systems
- *dental evacuators
- *other applications requiring separation of vacuum and motor ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|-----------|--|----------|---------------|-----|----------------|
| L-14789 | 3 stage fan, 220 volt 7.5BPP, 3STG, B/B, 220V, 1100W | 5.5 | 85" | 123 | 9.4 |
| L-14787 | 3 stage fan, 120 volt 7.5BPP, 3STG, B/B, 120V, 1200W | 11.0 | 88" | 128 | 9.4 |
| L-115419 | 3 stage fan, 42 volt 7.5BPP, 3STG, B/B, 42V, 1100W, E | 26.0 | 85" | 132 | 9.4 |
| L-14788 | 2 stage fan, 220 volt 7.5BPP, 2STG, B/B, 220V, 1000W | 5.3 | 69" | 146 | 8.8 |
| L-14786 | 2 stage fan, 120 volt 7.5BPP, 2STG, B/B, 220V, 1100W | 10.0 | 74" | 140 | 8.8 |



7.2" Tangential Bypass -- Heavy Duty

- *central vacuums
- *steam carpet cleaners
- *commercial/industrial vacuum systems
- *wet/dry applications
- *other applications requiring separation of vacuum and motor ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------|--|----------|---------------|-----|----------------|
| L-11774100 | 3 stage fan, 220/240 volt 7.2BPT, 3STG, B/B, 220V, 1450W, HD,RD | 6.2 | 131" | 83 | 8.6 |
| L-11613600 | 7.2BPT, 3STG, B/B, 220V, 1100W, E,I,AS,HD | 5.5 | 106" | 87 | 7.7 |
| L-11610300 | 3 stage fan, 120 volt 7.2BPT, 3STG, B/B, 120V, 1650W, E,AS,HD | 13.7 | 134" | 92 | 7.7 |
| L-11616100 | 7.2BPT, 3STG, B/B, 120V, 1650W, I,AS,2"IT,HD | 13.7 | 134" | 92 | 7.7 |
| L-11750700 | 7.2BPT, 3STG, B/B, 120V, 1600W, HD,RD | 12.7 | 134" | 94 | 8.6 |
| L-11750713 | 7.2BPT, 3STG, B/B, 120V, 1600W, AS,E,HD,RD | 12.7 | 134" | 94 | 8.6 |
| L-11611900 | 7.2BPT, 3STG, B/B, 120V, 1450W, HD | 13.0 | 134" | 94 | 7.7 |
| L-115684 | 2 stage fan, 220 volt 7.2BPT, 2STG, B/B, 220V, 1250W, E,OB,HD | 6.5 | 110" | 101 | 6.1 |
| L-115950 | 7.2BPT, 2STG, B/B, 220V, 1250W, E,AS,HD | 5.5 | 95" | 99 | 6.8 |
| L-11746700 | 2 stage fan, 120 volt 7.2BPT, 2STG, B/B, 120V, 1600W, HP,HD,RD | 12.8 | 123" | 110 | 7.7 |
| L-115334 | 7.2BPT, 2STG, B/B, 120V, 1450W, OB,HD | 13.0 | 110" | 104 | 6.0 |
| L-115937 | 7.2BPT, 2STG, B/B, 120V, 1450W, E,AS,CB,HD | 13.0 | 110" | 105 | 6.8 |
| L-11646513 | 7.2BPT, 2STG, B/B, 120V, 1450W, AS,E,HD,RD | 11.9 | 113" | 107 | 7.3 |
| L-11746500 | 7.2BPT, 2STG, B/B, 120V, 1430W, HD,RD | 11.8 | 113" | 107 | 7.3 |



RD ... Models have fiber reinforced thermoset plastic fan and commutator brackets, 10mm shaft and bearing systems

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7.2" Peripheral Bypass -- Heavy Duty

*central vacuums - carwash vacuums - commercial/industrial vacuum systems - wet/dry applications
 *other applications requiring separation of vacuum and ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------------------------|--|----------|---------------|-----|----------------|
| 3 stage fan, 120 volt | | | | | |
| L-11611800 | 7.2BPP, 3STG, B/B, 120V, 1650W, E,AS,HD | 13.7 | 135" | 93 | 7.7 |
| L-11613700 | 7.2BPP, 3STG, B/B, 120V, 1450W, HD | 13.0 | 135" | 92 | 7.7 |
| 2 stage fan, 220 volt | | | | | |
| L-115519 | 7.2BPP, 2STG, B/B, 220V, 1250W, E,OB,HD | 6.5 | 106" | 115 | 6.1 |
| L-115963 | 7.2BPP, 2STG, B/B, 220V, 1250W, E,AS,HD | 5.5 | 89" | 105 | 6.8 |
| 2 stage fan, 120 volt | | | | | |
| L-115962 | 7.2BPP, 2STG, B/B, 120V, 1550W, E,AS,HD | 13.0 | 106" | 116 | 7.0 |
| L-115330 | 7.2BPP, 2STG, B/B, 120V, 1500W, OB,HD | 13.5 | 110" | 115 | 6.0 |
| L-11750800 | 7.2BPP, 2STG, B/B, 120V, 1430W, HD,RD | 12.9 | 113" | 104 | 7.3 |
| L-11756001 | 7.2BPP, 2STG, B/B, 120V, 1300W, RD, 3.5HPH | 10.9 | 109" | 101 | 7.7 |



5.7" Tangential Bypass -- Standard Duty

*commercial vacuums - steam carpet cleaners - wet/dry applications
 *other applications requiring separation of vacuum and ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|----------------------------------|--------------------------------------|----------|---------------|-----|----------------|
| 2 stage fan, 24 / 36 volt | | | | | |
| L-11640613 | 5.7BPT, 2STG, B/B, 36V, E,AS,PB | 17.5 | 63" | 77 | 6.9 |
| L-11943413 | 5.7BPT, 2STG, B/B, 36V, E,AS,PB, G2K | 13.0 | 47" | 71 | 6.5 |
| L-11943613 | 5.7BPT, 2STG, B/B, 24V, E,AS,PB | 17.5 | 44" | 66 | 6.3 |
| 1 stage fan, 120 volt | | | | | |
| L-11652050 | 5.7BPT, 1STG, B/S, 120V, 700W, PB | 5.8 | 48" | 93 | 5.0 |



5.7" 'Acustek' Quiet Series -- Peripheral Bypass -- Standard Duty

*commercial vacuums - carwash vacuums - wet/dry applications - central vacuums
 *other applications requiring separation of vacuum and ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------------------------|---|----------|---------------|-----|----------------|
| 3 stage fan, 120 volt | | | | | |
| L-11676413 | 5.7QBP, 3STG, B/B, 120V, 1400W, AS,E,HP | 11.2 | 120" | 100 | 7.8 |
| 2 stage fan, 240 volt | | | | | |
| L-11654913 | 5.7QBP, 2STG, B/B, 240V, 1125W, AS,E | 5.9 | 94" | 117 | 7.0 |
| 2 stage fan, 120 volt | | | | | |
| L-11675813 | 5.7QBP, 2STG, B/B, 120V, 1150W, AS,E | 10.2 | 94" | 102 | 6.5 |
| L-11941313 | 5.7QBP, 2STG, B/B, 120V, 1050W, AS,E | 9.0 | 88" | 96 | 6.5 |



5.7" Peripheral Bypass -- Standard Duty

*utility vacuums
 *other applications requiring separation of vacuum and motor ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------------------------------|---|----------|---------------|-----|----------------|
| 1 stage fan, 220 / 240 volt | | | | | |
| L-11627100 | 5.7BPP, 1STG, B/S, 240V, 875W | 3.3 | 51" | 99 | 5.1 |
| L-11634000 | 5.7BPP, 1STG, B/S, 240V, 730W, PB,HA | 3.8 | 47" | 137 | 5.2 |
| L-115977 | 5.7BPP, 1STG, B/S, 220V, 840W, PB,HA,CB | 3.8 | 46" | 129 | 5.2 |
| 1 stage fan, 120 volt | | | | | |
| L-11619600 | 5.7BPP, 1STG, B/S, 120V, 825W, PB,HA | 7.0 | 50" | 133 | 5.2 |
| L-11632500 | 5.7BPP, 1STG, B/S, 120V, 750W | 5.8 | 50" | 95 | 5.0 |



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5.7" Tangential Bypass -- Standard Duty

*commercial vacuums - steam carpet cleaners - wet/dry applications - central vacuums

*other applications requiring separation of vacuum and ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------------------------------|--|----------|---------------|-----|----------------|
| 3 stage fan, 120 volt | | | | | |
| L-11676513 | 5.7BPT, 3STG, B/B, 120V, 1600W, E,AS | 13.5 | 137" | 101 | 8.1 |
| L-116565-00 | 5.7BPT, 3STG, B/B, 120V, 1400W | 10.7 | 117" | 92 | 7.8 |
| L-11656513 | 5.7BPT, 3STG, B/B, 120V, 1400W, AS,E | 10.7 | 117" | 92 | 7.8 |
| 3 stage fan, 24 / 36 volt | | | | | |
| L-11943213 | 5.7BPT, 3STG, B/B, 36V, AS,E, G2K | 20.0 | 74" | 76 | 7.8 |
| L-11651332 | 5.7BPT, 3STG, B/B, 36V, AS,E,1 7/8"IT | 20.0 | 74" | 76 | 8.6 |
| L-11943313 | 5.7BPT, 3STG, B/B, 24V, AS,E, G2K | 26.0 | 68" | 69 | 7.8 |
| 2 stage fan, 220 / 240 volt | | | | | |
| L-11621300 | 5.7BPT, 2STG, B/B, 220V, 1125W, E,PB | 4.6 | 87" | 96 | 6.9 |
| L-11635300 | 5.7BPT, 2STG, B/B, 220V, 1125W | 6.7 | 94" | 128 | 7.0 |
| L-11642013 | 5.7BPT, 2STG, B/B, 240V, 950W, AS,E | 4.4 | 88" | 108 | 7.0 |
| L-11625900 | 5.7BPT, 2STG, B/B, 240V, 750W, AS,E | 3.5 | 66" | 80 | 6.5 |
| 2 stage fan, 120 volt | | | | | |
| L-11940700 | 5.7BPT, 2STG, B/B, 120V, 1450W, PB,HP, G2K | 11.7 | 107" | 112 | 6.9 |
| L-11940713 | 5.7BPT, 2STG, B/B, 120V, 1450W, PB,AS, G2K | 11.7 | 107" | 112 | 6.9 |
| L-11647400 | 5.7BPT, 2STG, B/B, 120V, 1250W, non-clog fan | 9.9 | 93" | 97 | 6.9 |
| L-11620700 | 5.7BPT, 2STG, B/B, 120V, 1150W, E,PB | 10.2 | 93" | 97 | 6.5 |
| L-11611400 | 5.7BPT, 2STG, B/B, 120V, 1150W, AS,E,PB | 10.2 | 91" | 104 | 6.5 |
| L-115894 | 5.7BPT, 2STG, B/S, 120V, 1050W, E,CB | 8.0 | 88" | 96 | 6.3 |
| L-11611600 | 5.7BPT, 2STG, B/S, 120V, 1050W, 1 7/8"IT | 9.0 | 86" | 106 | 7.3 |
| L-11941213 | 5.7BPT, 2STG, B/B, 120V, 1000W, AS,E, G2K | 8.5 | 82" | 97 | 6.5 |



5.7" Peripheral Bypass -- Standard Duty

*commercial vacuums - carwash vacuums - wet/dry applications - central vacuums

*other applications requiring separation of vacuum and ventilating air

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|--|---------------------------------------|----------|---------------|-----|----------------|
| 3 stage fan, 240 / 120 / 24 / 36 volt | | | | | |
| L-11951713 | 5.7BPP, 3STG, B/B, 24V, AS,E, G2K | 26.0 | 67" | 69 | 7.8 |
| 2 stage fan, 240 volt | | | | | |
| L-11635400 | 5.7BPP, 2STG, B/B, 240V, 1300W, PB | 5.7 | 98" | 107 | 7.0 |
| L-11612500 | 5.7BPP, 2STG, B/S, 240V, 870W, PB | 3.5 | 68" | 82 | 6.3 |
| L-115765 | 5.7BPP, 2STG, B/S, 240V, 800W, E,CB | 3.5 | 67" | 86 | 6.3 |
| 2 stage fan, 120 volt | | | | | |
| L-11940613 | 5.7BPP, 2STG, B/B, 120V, 1450W, G2K | 11.7 | 107" | 112 | 6.9 |
| L-11621200 | 5.7BPP, 2STG, B/B, 120V, 1150W, E,PB | 10.2 | 91" | 104 | 6.5 |
| L-115757P | 5.7BPP, 2STG, B/S, 120V, 1050W, PB,CB | 9.0 | 88" | 96 | 6.3 |
| L-11941400 | 5.7BPP, 2STG, B/B, 120V, 1050W, G2K | 8.5 | 84" | 94 | 6.3 |
| 2 stage fan, 24 / 36 volt | | | | | |
| L-115537 | 5.7BPP, 2STG, B/B, 36V, E,FF | 13.0 | 50" | 73 | 6.3 |
| L-11615600 | 5.7BPP, 2STG, B/B, 36V, E,AS | 13.0 | 47" | 71 | 6.5 |
| L-11640613 | 5.7BPP, 2STG, B/B, 36V, AS,E | 17.5 | 62" | 77 | 6.9 |
| L-115460 | 5.7BPP, 2STG, B/B, 24V, E,FF | 19.0 | 49" | 73 | 6.3 |
| L-11615500 | 5.7BPP, 2STG, B/B, 24V, E,AS,PB | 16.5 | 44" | 66 | 6.5 |



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5.7" Thru Flow -- Standard Duty

*canister vacuums - dry commercial vacuums
*dry installations only - therapeutic

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------|--|----------|---------------|-----|----------------|
| | 2 stage fan, 220 / 240 volt | | | | |
| L-11660400 | 5.7TF, 2STG, B/B, 240V, 1225W, TP120C | 5.8 | 99" | 119 | 6.6 |
| L-11611100 | 5.7TF, 2STG, B/B, 240V, 1150W | 5.8 | 94" | 113 | 6.1 |
| L-11940300 | 5.7TF, 2STG, B/S, 240V, 1070W, G2K | 4.6 | 88" | 102 | 5.7 |
| L-11940900 | 5.7TF, 2STG, B/S, 240V, 1070W, TP120C, G2K | 4.6 | 88" | 102 | 5.7 |
| L-115756 | 5.7TF, 2STG, B/S, 220V, 730W | 3.6 | 78" | 89 | 5.7 |



5.7" Thru Flow -- Standard Duty

*canister vacuums - utility vacuums - light duty dry commercial vacuums
*dry installations only - therapeutic spas

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|-------------|--|----------|---------------|-----|----------------|
| | 2 stage fan, 120 volt | | | | |
| L-115923 | 5.7TF, 2STG, B/B, 120V, 1350W, HE,HA | 11.6 | 94" | 124 | 6.2 |
| L-11643200 | 5.7TF, 2STG, B/B, 120V, 1340W | 11.4 | 114" | 101 | 5.9 |
| L-11614600 | 5.7TF, 2STG, B/B, 120V, 1170W, HE,MB | 10.1 | 96" | 115 | 6.0 |
| L-11642900 | 5.7TF, 2STG, B/S, 120V, 1170W, PB,TP105C | 10.1 | 97" | 121 | 6.0 |
| L-115982 | 5.7TF, 2STG, B/S, 120V, 1170W, HE | 10.1 | 96" | 115 | 6.0 |
| L-115826 | 5.7TF, 2STG, B/S, 120V, 1130W, HP | 9.6 | 100" | 104 | 6.0 |
| L-11667150 | 5.7TF, 2STG, B/S, 120V, 1130W, TP120C | 9.6 | 100" | 104 | 6.0 |
| L-11622700 | 5.7TF, 2STG, B/B, 120V, 1130W, 2 SPEED | 9.6 | 107" | 107 | 5.9 |
| L-11636700 | 5.7TF, 2STG, B/S, 120V, 1130W, 2 SPEED | 9.6 | 107" | 107 | 5.9 |
| L-115744 | 5.7TF, 2STG, B/S, 120V, 1000W, TP110C | 8.5 | 92" | 98 | 5.7 |
| L-115750 | 5.7TF, 2STG, B/B, 120V, 970W, MB | 8.5 | 92" | 99 | 5.6 |
| L-115737 | 5.7TF, 2STG, B/S, 120V, 970W, MB | 8.5 | 92" | 99 | 5.7 |
| L-11940200 | 5.7TF, 2STG, B/B, 120V, 950W, G2K | 8.4 | 90" | 94 | 5.7 |
| L-11645700 | 5.7TF, 2STG, B/B, 120V, 950W | 8.4 | 90" | 94 | 5.7 |
| L-11688300 | 5.7TF, 2STG, B/B, 120V, 950W, PB | 8.4 | 90" | 94 | 5.7 |
| L-11666950 | 5.7TF, 2STG, B/S, 120V, 900W, TP120C | 8.4 | 90" | 94 | 5.7 |
| L-116883-50 | 5.7TF, 2STG, B/S, 120V, 950W, PB | 8.4 | 90" | 94 | 5.7 |
| L-115792 | 5.7TF, 2STG, B/S, 120V, 500W, DERATED | 4.2 | 55" | 72 | 5.7 |



5.7" Thru Flow -- Ball / Sleeve Bearings

*canister vacuums - utility vacuums - light duty dry commercial vacuums
*dry installations only - therapeutic spas

| MOTOR NO. | DESCRIPTION | MAX AMPS | SEALED VACUUM | CFM | OVERALL HEIGHT |
|------------|--|----------|---------------|-----|----------------|
| | 1 stage fan, 220 / 240 volt | | | | |
| L-11940100 | 5.7TF, 1STG, B/S, 240V, 1010W, G2K | 4.2 | 62" | 113 | 4.7 |
| L-11645650 | 5.7TF, 1STG, B/S, 240V, 1010W, TP105C | 4.2 | 62" | 113 | 4.7 |
| L-11666850 | 5.7TF, 1STG, B/S, 240V, 1000W, TP120C | 4.2 | 62" | 113 | 4.6 |
| L-115955 | 5.7TF, 1STG, B/S, 220V, 725W | 3.1 | 56" | 104 | 4.5 |
| | 1 stage fan, 120 volt | | | | |
| L-11627601 | 5.7TF, 1STG, B/S, 120V, 880W, PB,HE | 7.7 | 57" | 133 | 4.9 |
| L-11721900 | 5.7TF, 1STG, B/S, 120V, 850W, HE,PB,2.0PHP | 7.4 | 67" | 129 | 5.3 |
| L-11629700 | 5.7TF, 1STG, B/S, 120V, 850W, HE,PB,1.2PHP | 7.0 | 61" | 123 | 4.5 |
| L-11940000 | 5.7TF, 1STG, B/S, 120V, 850W, G2K | 7.0 | 63" | 112 | 4.5 |
| L-11941100 | 5.7TF, 1STG, B/S, 120V, 850W, TP105, G2K | 7.0 | 63" | 112 | 4.5 |



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Windjammer Brushless DC Motor Driven Blowers

- L-11663201 3 fan, standard fan type, internal mechanical control
- L-11663401 1 fan, standard fan type, internal control
- L-11664201 2 fan, high-flow fan, external control



Hesco stocks a full line of repair parts for Ametek / Lamb Motors. The following section references the most popular motor schematics even though there are hundreds of motors in the Ametek / Lamb line. If you don't see a schematic for your motor in this catalog, call our sales department and we can get you the parts you are looking for!

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