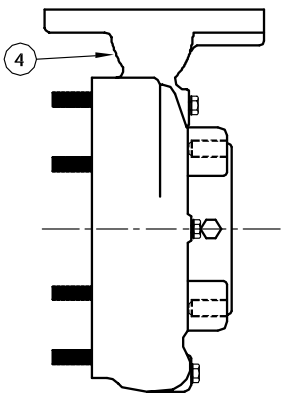


Centrifugals - Close Coupled

FLANGED CASING ASSEMBLY



| 1 - MOTORS | | | |
|------------------------------------|-------------|----|------------|
| RPM & PHASE | PART NUMBER | HP | FRAME SIZE |
| OPEN DRIP PROOF | | | |
| 1750 RPM Single Phase (ODP) | 21393 | 1 | 143JM |
| | 21394 | 1½ | 145JM |
| | 21395 | 2 | 182JM |
| | 21396 | 3 | 184JM |
| 1750 RPM Three Phase (ODP) | 21419 | 1 | 143JM |
| | 21420 | 1½ | 145JM |
| | 21421 | 2 | 145JM |
| | 21422 | 3 | 182JM |
| 3500 RPM Single Phase (ODP) | 09902 | 5 | 184JM |
| | 21850 | 7½ | 213JM |
| 3500 RPM Three Phase (ODP) | 09906 | 5 | 182JM |
| | 09907 | 7½ | 184JM |
| | 09999 | 10 | 213JM |
| | 20002 | 15 | 215JM |
| | 21169 | 20 | 254JM |
| | 21170 | 25 | 256JM |
| | 21207 | 30 | 284JM |
| TOTALLY ENCLOSED | | | |
| 1750 RPM Single Phase (TEFC) | 21399 | 1 | 143JM |
| | 21400 | 1½ | 145JM |
| | 21401 | 2 | 182JM |
| | 21402 | 3 | 184JM |
| | 21403 | 5 | 213JM |
| 1750 RPM Three Phase (TEFC) | 21426 | 1 | 143JM |
| | 21427 | 1½ | 145JM |
| | 21428 | 2 | 145JM |
| | 21429 | 3 | 182JM |
| | 21430 | 5 | 184JM |
| 3500 RPM Three Phase (TEFC) | 09950 | 5 | 184JM |
| | 09951 | 7½ | 213JM |
| | 20000 | 10 | 215JM |
| | 20003 | 15 | 254JM |
| | 21195 | 20 | 256JM |
| | 21457 | 25 | 284JM |
| | 21215 | 30 | 286JM |
| EXPLOSION PROOF | | | |
| 1750 RPM Three Phase (XP) | 21433 | 1 | 143JM |
| | 21434 | 1½ | 145JM |
| | 21435 | 2 | 145JM |
| | 21436 | 3 | 182JM |
| | 21437 | 5 | 184JM |
| 3500 RPM Three Phase (XP) | 09954 | 5 | 184JM |
| | 09955 | 7½ | 213JM |
| | 20001 | 10 | 215JM |
| | 20004 | 15 | 254JM |
| | 21196 | 20 | 256JM |
| | 21458 | 25 | 284JM |
| | 21218 | 30 | 286JM |

| SYMBOL NUMBER | PART NUMBER | QTY | DESCRIPTION |
|---------------|------------------------------------|-------------------------|--------------------------------|
| +15 | PUMPS with 143-215JM Motors | | |
| | 09933 | 1 | Flat Gasket + |
| | 22083 | 1 | O-Ring Gasket - Buna N (Std) |
| | 22084 | 1 | O-Ring Gasket - Viton |
| | 22094 | 1 | O-Ring Gasket - EPT** |
| | 22085 | 1 | O-Ring Gasket - Teflon |
| | PUMPS with 254-286JM Motors | | |
| | 21090 | 1 | Flat Gasket + |
| | 22140 | 1 | O-Ring Gasket - Buna N (Std) |
| | 22141 | 1 | O-Ring Gasket - Viton |
| 22143 | 1 | O-Ring Gasket - EPT** | |
| 22142 | 1 | O-Ring Gasket - Teflon | |
| +16 | PUMPS with 143-215JM Motors | | |
| | 09911 | 1 | Flat Gasket + |
| | 22083 | 1 | O-Ring Gasket - Buna N (Std) |
| | 22084 | 1 | O-Ring Gasket - Viton |
| | 22094 | 1 | O-Ring Gasket - EPT** |
| | 22085 | 1 | O-Ring Gasket - Teflon |
| | PUMPS with 254-286JM Motors | | |
| | 21092 | 1 | Flat Gasket + |
| | 22089 | 1 | O-Ring Gasket - Buna N (Std) |
| | 22090 | 1 | O-Ring Gasket - Viton |
| 22096 | 1 | O-Ring Gasket - EPT** | |
| 22091 | 1 | O-Ring Gasket - Teflon | |
| +17 | 20418 | 1 | Flat Gasket + |
| | 23003 | 1 | O-Ring Gasket - Buna N (Std) |
| | 23004 | 1 | O-Ring Gasket - Viton |
| | 23005 | 1 | O-Ring Gasket - EPT** |
| 23006 | 1 | O-Ring Gasket - Teflon | |
| 18 | PUMPS with 143-215JM Motors | | |
| | 09917 | | Mechanical Seal - Buna-N (Std) |
| | 09926 | | Mechanical Seal - Viton |
| | 21271 | | Mechanical Seal - EPT** |
| | PUMPS with 254-286JM Motors | | |
| | 21136 | | Mechanical Seal - Buna-N (Std) |
| 21189 | | Mechanical Seal - Viton | |
| 21721 | | Mechanical Seal - EPT** | |

"CONTINUED ON NEXT PAGE"

(*) Casing Assy. Includes Symbols 4, 9 & 14.

(**) For hot water and Caustic service.

(+) Series G7-2, G7A-2 & G7-2-1/2 pumps have been manufactured with either a flat or O-ring type gasket. Determine which type is required before ordering. When in doubt, order flat gasket.

(♦) Adapter Assy. includes symbol 5.

| SYMBOL NUMBER | PART NUMBER | QTY | DESCRIPTION |
|---------------|-----------------|-------------------------|--|
| 2 | 20650 | 1 | Adapter - 143-184JM Motors |
| | 20419 | 1 | Adapter - 213-215JM Motors |
| | 21086 | 1 | Adapter Assy ♦ - 254-256 JM Motors |
| | 21310 | 1 | Adapter Assy ♦ - 284-286 JM Motors |
| 3 | 1750 RPM | | |
| | 20420-7.00 | 1 | Impeller - 104G7-2 & 3104G7-2 |
| | 20420-7.56 | 1 | Impeller - 154G7-2 & 3154G7-2 |
| | 20421-6.56 | 1 | Impeller - 104G7A-2 & 3104G7A-2 |
| | 20421-7.06 | 1 | Impeller - 154G7A-2 & 3154G7A-2 |
| | 20421-7.63 | 1 | Impeller - 204G7A-2 & 3204G7A-2 |
| | 21087-1-6.13 | 1 | Impeller - 154G7-2-1/2 & 3154G7-2-1/2 |
| | 21087-1-6.50 | 1 | Impeller - 204G7-2-1/2 & 3204G7-2-1/2 |
| | 21087-1-7.25 | 1 | Impeller - 304G7-2-1/2 & 3304G7-2-1/2 |
| | 3450 RPM | | |
| | 20420-6.25 | 1 | Impeller - 50G7-2 & 350G7-2 |
| | 20420-6.88 | 1 | Impeller - 375G7-2 |
| | 20420-7.38 | 1 | Impeller - 3100G7-2 |
| | 20420-7.56 | 1 | Impeller - 3150G7-2 |
| | 20420-1 | 1 | Impeller - 254JM Motor |
| | 20421-5.81 | 1 | Impeller - 50G7A-2 & 350G7A-2 |
| 20421-6.31 | 1 | Impeller - 375G7A-2 | |
| 20421-6.75 | 1 | Impeller - 3100G7A-2 | |
| 20421-7.56 | 1 | Impeller - 3150G7A-2 | |
| 20421-1-7.63 | 1 | Impeller - 3200G7A-2 | |
| 21087-6.75 | 1 | Impeller - 3200G7-2-1/2 | |
| 21087-7.38 | 1 | Impeller - 3250G7-2-1/2 | |
| 21087-7.56 | 1 | Impeller - 3300G7-2-1/2 | |
| *4 | 22153 | 1 | Casing Assy - G7-2 & G7A-2 |
| | 22271 | 1 | Casing Assy - G7-2F & G7A-2F (Flanged) |
| | 22154 | 1 | Casing Assy - G7-2-1/2 |
| | 22272 | 1 | Casing Assy -G7-2-1/2F (Flanged) |
| 5 | 09915 | 1 | Wear Ring - G7-2 & G7A-2 |
| | 20680 | 2 | Wear Ring - G7-2-1/2 |
| 6 | 04235 | 4 | Cap Screw - Use with 20650 Adapter |
| | 1-68-6 | 4 | Cap Screw - Use with 20419 & 21086 Adapter |
| | 21289 | 4 | Cap Screw - Use with 21310 Adapter |
| 7 | 20424 | 8 | Stud |
| 8 | 15-6-6 | 8 | Nut |
| 9 | 20059 | 8 | Washer |
| 10 | 23014 | 1 | Key - 143-215JM Motors |
| | 22107 | 1 | Key - 254-286JM Motors |
| 11 | 01691-A | 6 | Pipe Plug 1/8" - Bronze |
| 12 | 04236 | 1 | Pipe Plug 1/4" - Bronze |
| 13 | 1-529-1 | 1 | Cap Screw SS - 143-215JM Motors |
| | 01638-A | 1 | Cap Screw SS - 254-286JM Motors |
| 14 | 22105-C | 1 | Washer - Bronze - 143-215JM Motors |
| | 22106 | 1 | Washer - Bronze - 254-286JM Motors |

Centrifugals - Close Coupled

| SYMBOL NUMBER | PART NUMBER | QTY | DESCRIPTION |
|--|-------------|-----|---|
| DIFFERING PARTS FOR ALL IRON CONSTRUCTION | | | |
| 2 | 21086-B | 1 | Adapter Assy ♦ - 254-256 JM Motors |
| | 21310-B | 1 | Adapter Assy ♦ - 284-286 JM Motors |
| 3 | 20420-A | 1 | Impeller - Iron |
| | 20421-A | 1 | Impeller - Iron |
| | 20421-A-1 | 1 | Impeller - Iron |
| | 21087-A | 1 | Impeller - Iron |
| Size suffixes same as standard bronze impellers | | | |
| 6 | 03288 | 4 | Cap Screw - for 20650-A Adapter |
| | 01638-B | 4 | Cap Screw - for 20419-B & 21086-A Adapter |
| 8 | 03160-A | 8 | Nut |
| | | | |
| *4 | 22153-B | 1 | Casing Assy - G7-2 & G7A-2 |
| | 22271-B | 1 | Casing Assy - G7-2F & G7A-2F (Flanged) |
| | 22154-B | 1 | Casing Assy - G7-2-1/2 |
| | 22272-B | 1 | Casing Assy -G7-2-1/2F (Flanged) |
| 5 | 09915-A | 1 | Wear Ring - G7-2 & G7A-2 |
| | 20680-A | 2 | Wear Ring - G7-2-1/2 |
| 11 | 00158 | 6 | Pipe Plug 1/8" - Steel |
| | 04236-A | 1 | Pipe Plug 1/4" - SS |
| 14 | 22105-A | 1 | Washer - Steel - 143-215JM Motors |
| | 22106-A | 1 | Washer - Steel - 254-286JM Motors |
| 20 | 22063-A | 1 | Shaft Sleeve - Bronze - 143-215JM Motors |
| | 22066-A | 1 | Shaft Sleeve - Bronze - 254-286JM Motors |

(*) Casing Assy. Includes Symbols 4, 9 & 14.

(**) For hot water or Caustic service.

(+) Series G7-2, G7A-2 & G7-2-1/2 pumps have been manufactured with either a flat or O-ring type gasket. Determine which type is required before ordering. When in doubt, order flat gasket.

(♦) Adapter Assy. includes symbol 5.

| SYMBOL NUMBER | PART NUMBER | QTY | DESCRIPTION |
|--|-------------|-----|--|
| PUMPS with 143-215JM Motors | | | |
| 19 | 22080 | 1 | O-Ring Gasket - Buna N (Std) |
| | 2-31005-012 | 1 | O-Ring Gasket - Viton |
| | 22093 | 1 | O-Ring Gasket - EPT** |
| | 22082 | 1 | O-Ring Gasket - Teflon |
| PUMPS with 254-286JM Motors | | | |
| 20 | 22086 | 1 | O-Ring Gasket - Buna N (Std) |
| | 22087 | 1 | O-Ring Gasket - Viton |
| | 22095 | 1 | O-Ring Gasket - EPT** |
| | 22088 | 1 | O-Ring Gasket - Teflon |
| 20 | 22063-C | 1 | Shaft Sleeve - Bronze - 143-215JM Motors |
| | 22066 | 1 | Shaft Sleeve - Bronze - 254-286JM Motors |
| 21 | 09918 | 1 | Slinger Washer - 143-215JM Motors |
| | 21093 | 1 | Slinger Washer - 254-286JM Motors |
| DIFFERING PARTS FOR ALL BRONZE CONSTRUCTION | | | |
| 2 | 20650-A | 1 | Adapter - 143-184JM Motors |
| | 20419-B | 1 | Adapter - 213-215JM Motors |
| | 21086-A | 1 | Adapter Assy ♦ - 254-256JM Motors |
| | 21310-A | 1 | Adapter Assy ♦ - 284-286JM Motors |
| *4 | 22153-A | 1 | Casing Assy - G7-2 & G7A-2 |
| | 22271-A | 1 | Casing Assy - G7-2F & G7A-2F (Flanged) |
| | 22154-A | 1 | Casing Assy - G7-2-1/2 |
| | 22272-A | 1 | Casing Assy -G7-2-1/2F (Flanged) |
| 13 | 03289 | 1 | Cap Screw, Bronze - 143-215JM Motors |
| | 01638-B | 1 | Cap Screw, Bronze - 254-286JM Motors |

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