

FURNAS PRESSURE SWITCH



The rugged **FURNAS** pressure switch is designed for the demanding requirements of larger, heavy duty commercial compressors (up to 250 psi). Sturdy painted steel case and cover resists the harsh conditions encountered in industrial applications.

- > 5 Hp 250 PSI max.
- > Rugged steel case and cover
- > 3/8 Female NPT w/ Pulsation orifice
- > Easy adjustment
- > No drift pressure settings
- > Ample wiring room. 2 ground screws
- > Visible contacts
- > UL listed file #E14861
- > CSA certified file LR36854
- > Automatic unloader valve available

69H for Air Systems

| Min. Close Cut-In | Max. Open Cut-Out | Differential Range | Pressure Adjustment Table | Horsepower | | | | Factory Setting | NEMA General Purpose Cat No. |
|-------------------|-------------------|--------------------|---------------------------|------------|------|---------|----------|-----------------|------------------------------|
| | | | | 1 Phase | | 3 Phase | | | |
| | | | | 120V | 240V | 240V | 480/600V | | |
| 40 psi | 250 psi | 35-60 psi | H | 2.0 | 3.0 | 5.0 | 5.0 | 115-150 | 69HA1 |
| 40 psi | 250 psi | 35-60 psi | H | 2.0 | 5.0 | 5.0 | 5.0 | 115-150 | 69HB1 |
| 10 psi | 125 psi | 20-35 psi | I | 2.0 | 3.0 | 5.0 | 5.0 | 100-125 | 69HA2 |
| 10 psi | 125 psi | 20-35 psi | I | 2.0 | 5.0 | 5.0 | 5.0 | 100-125 | 69HB2 |
| 15 psi | 60 psi | 7-15 psi | J | 2.0 | 3.0 | 5.0 | 5.0 | 30-40 | 69HA3 |
| 15 psi | 60 psi | 7-15 psi | J | 2.0 | 5.0 | 5.0 | 5.0 | 30-40 | 69HB3 |

PSI Table E

| Cut-In A | Cut-Out-B | |
|----------|-----------|------|
| | Min. | Max. |
| 20 | 40 | 60 |
| 30 | 50 | 70 |
| 40 | 60 | 80 |
| 50 | 70 | 90 |
| 60 | 80 | 100 |
| 70 | 90 | 100 |
| 80 | 100 | 100 |

PSI Table F

| Cut-In A | Cut-Out-B | |
|----------|-----------|------|
| | Min. | Max. |
| 35 | 65 | 80 |
| 40 | 70 | 85 |
| 50 | 80 | 95 |
| 60 | 90 | 105 |
| 70 | 100 | 115 |
| 80 | 110 | 125 |
| 90 | 120 | 135 |
| 100 | 130 | 145 |
| 110 | 140 | 150 |
| 120 | 150 | 150 |

PSI Table G

| Cut-In A | Cut-Out-B | |
|----------|-----------|------|
| | Min. | Max. |
| 45 | 75 | 100 |
| 55 | 85 | 110 |
| 65 | 95 | 120 |
| 75 | 105 | 130 |
| 85 | 115 | 140 |
| 95 | 130 | 150 |
| 105 | 140 | 160 |
| 115 | 150 | 170 |
| 125 | 160 | 175 |

PSI Table H

| Cut-In A | Cut-Out-B | |
|----------|-----------|------|
| | Min. | Max. |
| 40 | 70 | 100 |
| 60 | 90 | 121 |
| 80 | 110 | 141 |
| 100 | 131 | 161 |
| 120 | 152 | 181 |
| 140 | 173 | 201 |
| 160 | 194 | 222 |
| 180 | 215 | 242 |
| 200 | 236 | 250 |
| 215 | 250 | 250 |

PSI Table I

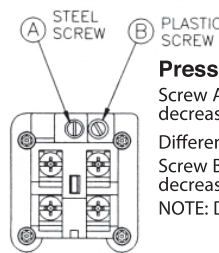
| Cut-In A | Cut-Out-B | |
|----------|-----------|------|
| | Min. | Max. |
| 8 | 28 | 46 |
| 10 | 30 | 48 |
| 20 | 40 | 58 |
| 30 | 50 | 68 |
| 40 | 60 | 78 |
| 50 | 70 | 88 |
| 60 | 80 | 98 |
| 70 | 90 | 109 |
| 80 | 99 | 119 |
| 90 | 109 | 125 |
| 100 | 119 | 125 |
| 107 | 125 | 125 |

PSI Table J

| Cut-In A | Cut-Out-B | |
|----------|-----------|------|
| | Min. | Max. |
| 14 | 20 | 30 |
| 20 | 26 | 36 |
| 25 | 31 | 41 |
| 30 | 36 | 46 |
| 35 | 41 | 51 |
| 40 | 46 | 57 |
| 45 | 51 | 60 |
| 50 | 57 | 60 |
| 53 | 60 | 60 |

Electrical Ratings

| Cat. No. | Control Circuit | Horsepower | | | | |
|-------------|-----------------|------------|------|---------|----------|----------|
| | | 1 Phase | | 3 Phase | | DC |
| | | 112V | 240V | 240V | 480-600V | 32V-230V |
| 69MB | A600 | 1.5 | 2.0 | 3.0 | — | 1/4 |
| 69MC | A600 | 2.0 | 3.0 | 5.0 | 1 | 1/2 |
| 69HA | A600 | 2.0 | 3.0 | 5.0 | 5 | 2 |
| 69HB | A600 | 2.0 | 5.0 | 5.0 | 5 | 2 |



Pressure Adjustment Settings

Screw A—Turn clockwise to increase and counterclockwise to decrease pressure range (both cut-in and cut-out).

Differential Adjustment

Screw B—Turn clockwise to increase and counterclockwise to decrease cut-out pressure.

NOTE: Differentials shown on tables above are averages \varnothing nl