Single-switch selection of Intermittent or Continuous operation, Equipped with Ace Controller

GK Series

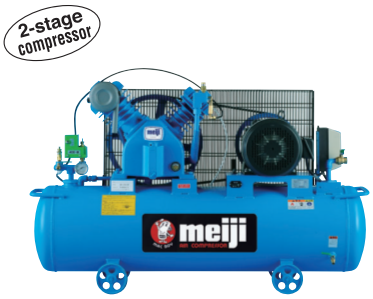
Efficient, Economical and Dependable... One compressor, double the function. A single switch allows selection of either continuous or intermittent compressor operation, so there's no need to choose a compressor for just one particular application.

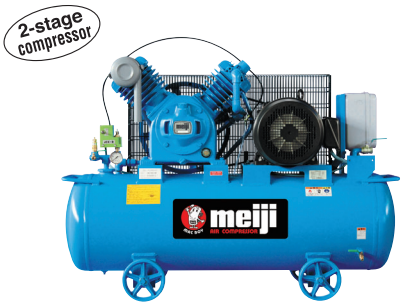
When used in the intermittent operation mode, starting and stopping are smoother because the compressor stops and restarts after idle running in an unloaded state.

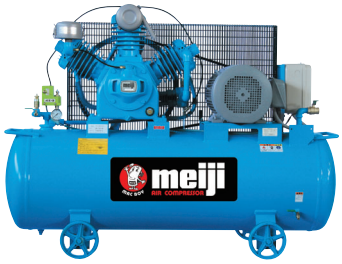
The unloaded state of GK Series compressors during intermittent operation reduces oil consumption and significantly improves the durability of most parts, resulting in lower operating costs.
Stopping in an unloaded state means there's no sudden sound of air discharge typical of conventional intermittent-operation compressors.

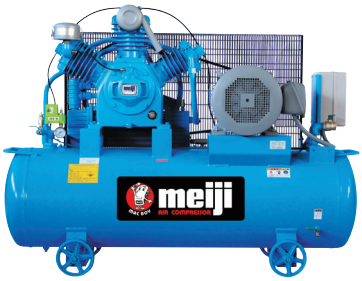

GH-15BK

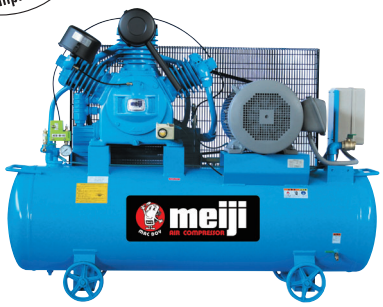

GH-22CK


GK-37A


GK-55D


GK-75D


GK-110D


GK-150D

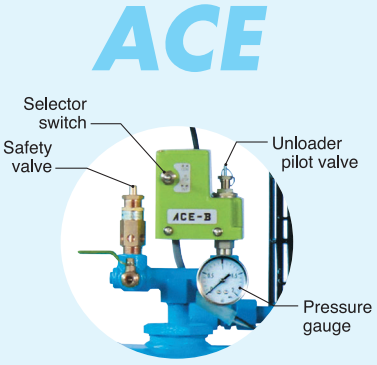
Model No.	Motor output kW〔ps〕	Operating pressure MPa〔kgf/cm²〕	Free air delivery L/min	Basic compressor: Rotating speed rpm	Basic compressor: Model No.	Air tank capacity L	Air outlet dia.×qty. B	Approx. dimensions L × W × H mm mm mm	Noise level dB(A)	Weight (including motor) kg
GH-15BK	1.5〔2〕	0.78 ∫ 0.98 〔8～10〕	160	975	GNO-2C	71	G¼×1	1,130×394×758	73	98
GH-22CK	2.2〔3〕		240	985	GNO-3C	80	G¼×2	1,227×394×770	74	115
GK-37A	3.7〔5〕		430	950	BT-37	120	G¼×1, Rc½×1	1,378×425×890		183
GK-55D	5.5〔7.5〕		660	910	BT-55C	150		1,395×500×1,065	76	268
GK-75D	7.5〔10〕		840	870	BT-75C	240	G¼×1, Rc¾×1	1,560×600×1,150		318
GK-110D	11〔15〕		1,360	945	BT-110C	260	G¼×1, Rc1×1	1,660×620×1,234	78	426
GK-150D	15〔20〕		1,660	1,050	BT-150CP	260		1,660×620×1,242	80	466

- The specifications of G-15CK, G-22CK, and GK-150D is based on IE1 motor.
- The specifications of GK-37A, GK-55D, GK-75D, and GK-150D is based on IE3 motor.

What's an ACE Controller?

Advanced Controller for Economical Operation

An ACE controller combines the functions of an unloader pilot valve and a pressure switch to allow one-touch switching between continuous and intermittent operation. It also functions as a start/stop switch.
When the pressure setting was reached in previous models during intermittent operation, activation of a pressure switch immediately stopped the compressor, exerting a strain on the moving parts and causing partial overheating, leading to excessive wear. In the GK Series with the ACE controller the compressor idles (in a no-load state) for 40 to 50 cycles before stopping, giving the cylinders and other parts a chance to cool down and allowing the moving parts to come to a smooth stop. Starting is also smoother, further reducing piston ring and bearing wear. The result is longer component life and enhanced durability.



What's the difference between a Single-stage and 2-stage Compressor? (GK-37A～150D)

Single-stage compressor draws in air and compresses it all at once to the pressure setting. 2-stage compressor first compresses the air to an intermediate pressure and cools it in a low-pressure cylinder, then compresses it to the pressure setting in a high-pressure cylinder.
When air is compressed it becomes very hot, wasting energy and causing deterioration and carbonization of the compressor oil. Air does not get as hot in a 2-stage compressor, so the temperature of the discharged air is lower and less oil is consumed. Operating noise is also reduced.

Pressure Switch type
GH Series

In this type of control system, an automatic pressure switch repeatedly switches the motor on at 0.78MPa〔8kgf/cm²〕and off at 0.98MPa〔10kgf/cm²〕. Suitable for intermittent use of compressed air or for work at relatively high pressures.

GH-08F

Automatic Unloader type
GN Series

In this type of control system, an automatic unloader valve repeatedly switches the compressor between loaded oreration at 0.78MPa〔8kgf/cm²〕and un-load operation at 0.98MPa〔10kgf/cm²〕without stopping the motor. Suitable for continuous operation at a fixed air delivery rate, and when large amounts of compressed air are needed at relatively low pressures.

GN-08E

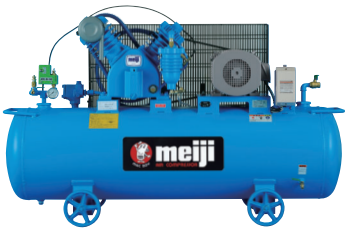
Model No.	Motor output kW〔ps〕	Operating pressure MPa〔kgf/cm²〕	Free air delivery L/min	Basic compressor		Air tank capacity L	Air outlet dia.×qty. B	Approx. dimensions L × W × H mm mm mm	Noise level dB(A)	Weight (including motor) kg
				Rotating speed rpm	Model No.					
GH-08F	0.75〔1〕	0.78～0.98〔8～10〕	80	1,040	GHO-1C	38	G¼×1	907×370×653	71	63
GN-08E	0.75〔1〕	0.78～0.98〔8～10〕	80	1,040	GNO-1C	38	G¼×1	907×370×673	71	62

● Specifications is based on IE3 motor.

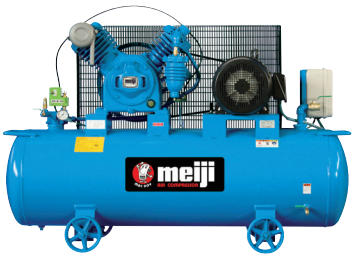
Medium-pressure 2-stage type
GKH Series

These 2-stage air compressors are designed to deliver a medium level pressure of 1.37MPa〔14kgf/cm²〕. Suitable for use at garages and gasoline stations for inflating tires, operating pneumatic wrenches, etc.

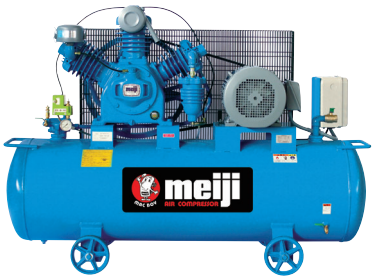
GKH-22A



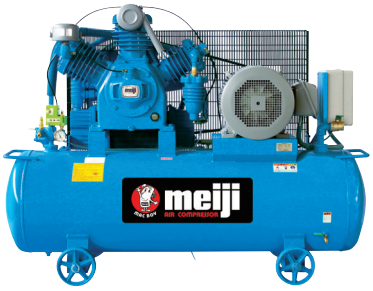
GKH-37A



GKH-55E



GKH-75D



GKH-110D

Motor-driven, ACE controller type

Model No.	Motor output kW〔ps〕	Operating pressure MPa〔kgf/cm²〕	Free air delivery L/min	Basic compressor		Air tank capacity L	Air outlet dia.×qty. B	Approx. dimensions L × W × H mm mm mm	Noise level dB(A)	Weight (including motor) kg
				Rotating speed rpm	Model No.					
GKH-22A	2.2〔3〕	1.18 ～ 1.37〔12～14〕	225	785	BTH-22	155	G¼×1, Rc½×1	1,350×510×935	74	188
GKH-37A	3.7〔5〕		390	850	BTH-37	220		1,608×560×1,008	75	237
GKH-55E	5.5〔7.5〕		560	900	BTH-55D	260	G¼×1, Rc¾×1	1,660×600×1,165	77	299
GKH-75D	7.5〔10〕		790	870	BTH-75C			1,660×600×1,180	78	332
GKH-110D	11〔15〕		1,140	860	BTH-110C		G¼×1, Rc1×1	1,660×620×1,234	78	429

● Specifications is based on IE3 motor.