

CASTAIR'S INDUSTRIAL SERIES

5HP Pump Comparison

Description	CASTAIR C1 Pump*	C-Aire V95 Pump	I-Rand 2475 Pump	Quincy QT-5 Pump	Campbell Hausfeld (TF series)
Filter	metal silencer	plastic	metal silencer	metal silencer	metal silencer
Valves	disc & spring	reed	reed	reed	reed
Head	cast iron	aluminum	cast iron	aluminum	aluminum
Piston Rings	4	4	4	4	3
Cylinder	cast iron	cast iron	cast iron	cast iron	cast iron
No. of Cyl. & Type	2-inline	2-V	2-V	2-inline	2-inline
Crankcase	cast iron	cast iron	cast iron	cast iron	cast iron
Crankshaft	automotive	automotive	overhung	automotive	automotive
Main Bearings	tapered roller	ball	ball	ball	tapered roller
Connecting Rod	steel	aluminum	aluminum	aluminum	aluminum
Rod Bearings	automotive insert	automotive insert	none	none	none
Wrist Pin Bearing	bushing both	bushing both	none	needle hp only	needle both
Crankcase Breather	intake return	open	intake return	open	open
Type Of Unloader	centrifugal	pres. switch	pres. switch	pres. switch	pres. switch
Intercooler	finned cast iron	copper tube	copper tube	copper tube	copper tube
Aftercooler	finned cast iron	none	none	none	none
Oil Level Check	sight glass	sight glass	fill plug	sight glass	sight glass
Flywheel	cast iron	cast iron	cast iron	cast iron	aluminum
R.P.M.	767	836	1040	942	808
Pump Wt.	225	134	190	140	150
C.F.M. @ 175psi	17.5	17.7	16.2	17.7	17.0

*Castair Model C1 2-cylinder pump used for above comparison. Castair Model C2 4-cylinder pump has the same specifications.

KEY QUALITY FEATURES TO COMPARE

CASTAIR's standard features:

Pump	Cast iron – no plastic or aluminum
Motor	Industrial 1725 rpm w/15% or 25% or higher service factor
Tank	4 feet on vertical, channel on horizontal
Controls	High Quality name brand mag. starters & pressure switches
Belts	2-groove B-width standard V-belt
Guard	All steel with high flow non-flattened expanded metal
Tubing	All copper discharge or flex & unloader

VS.

Many competitors features:

Pump	Aluminum or multiple different metals – different expansion temps & less durable
Motor	Foreign made 3450 RPM w/no service factor
Tank	3 feet vertical, 4 feet horizontal
Controls	Foreign made off brands (poor availability on replacement parts)
Belts	1-groove A-width or special O.E.M.
Guard	Plastic, wire, or low flow flat expanded metal
Tubing	Aluminum discharge, plastic unloader

NOTE: Changes may have occurred since information was gathered, consult actual manufacturer for most accurate and up to date information.