



**Johnson  
& Starley**

**Dravo**  
Division

# EUROflow ECA RANGE

**HIGH QUALITY  
HIGH PERFORMANCE  
WARM AIR HEATERS**

*This extensive range of high quality, high performance, low cost warm air heaters offers an efficient solution to a wide range of commercial and industrial applications.*

*There is a choice of 11 models with a wide range of outputs that can match any heating requirement, varying from 26kW right through to 792kW heat output.*

*The units can be specified for either free blowing or ducted operations and therefore offer complete flexibility of installation.*

- 360° ROTATABLE DISCHARGE HEADS.
- GAS OR OIL FIRED PACKAGED BURNER WITH OPTIMUM FLAME PROFILE MATCHED TO THE COMBUSTION CHAMBER.
- GALVANISED DOUBLE SKINNED INSULATED PANELS WITH A HIGH QUALITY EPOXY PAINT FINISH IN LIGHT GREY.
- CONTROL PANEL INCORPORATES AN ISOLATOR FOR SAFETY AND CONVENIENCE, A SUMMER/WINTER SWITCH (THIS ALLOWS RECIRCULATION OF COOL AIR IN SUMMER), OVERHEAT AND BURNER LOCKOUT LIGHTS, & BURNER RESET BUTTON.
- DOUBLE INLET, HIGH EFFICIENCY CENTRIFUGAL FAN.
- ALUMINIUM PENTAPOST FRAME CONSTRUCTION.
- ALL PANELS EASILY REMOVABLE FOR QUICK SERVICING.
- HEAVY DUTY PULLEYS AND MOTORS.



- STATE OF THE ART PATENTED STAINLESS STEEL HEAT EXCHANGER WITH STAINLESS STEEL TUBE BOXES AND HEAVY DUTY REVERSE FLAME. STAINLESS STEEL COMBUSTION CHAMBER, WITH A LOW THERMAL LOAD PERMITTING VERY HIGH EFFICIENCY. EFFICIENCY 91-94.6% (nett) BETWEEN MIN. AND MAX. HEAT OUTPUT.



**Energy Technology Listed Appliances, Qualifying for the Governments Enhanced Capital Allowance Scheme**



BUILT TO ISO EUROPEAN STANDARDS WITH FULL CE CERTIFICATION



Authorised User No. 00138

## A MODEL TO SUIT ANY APPLICATION



# DRAVO EUROFLOW ECA RANGE

### FUEL SUPPLY

#### GAS

The standard gas fired heater is suitable for use with natural gas, calorific value 39 MJ/m<sup>3</sup> (1035 BTU/ft<sup>3</sup>) at a supply pressure of 20.0 mbar.

#### OIL

The oil fired heater is suitable for use with heating oil having a kinematic viscosity of 1.6 - 6 centistokes at 37.8°C (35 sec. Redwood No.1 at 38°C).

#### L.P.G.

Propane or butane can be used with the appropriate burner fitted.

### CONTROLS

The following controls are fitted for operational safety and convenience. Mains isolator, fan and limit thermostat, Summer/Off/Winter switch, lockout light and reset button.

### BURNERS

#### GAS

Fully automatic forced draught burner complete with gas controls. Flame shape matched to combustion chamber for maximum efficiency.

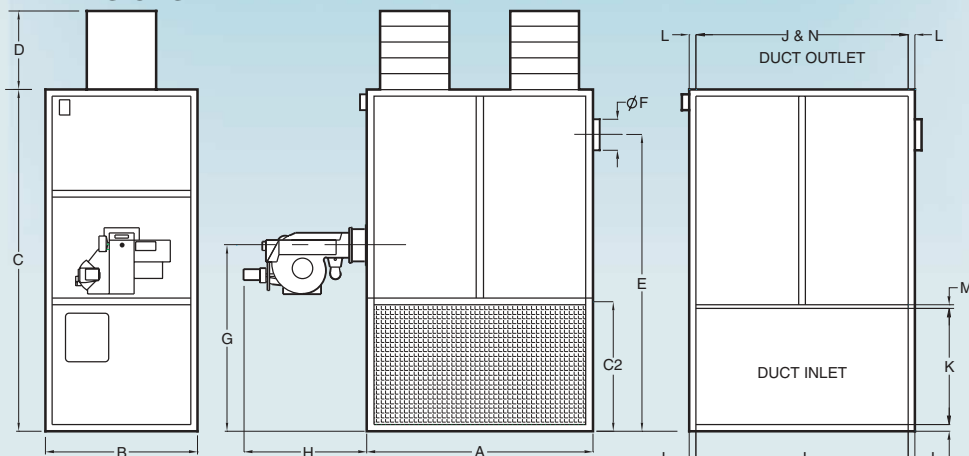
#### OIL

Fully automatic forced draught pressure jet burner with optimum flame shape for maximum efficiency.

### ALSO AVAILABLE

- Horizontal models
- External models
- Duct inlet and/or duct outlet connections
- Flat-on air inlet filters
- Fresh air/recirculation air dampers
- Hi-Lo or modulating burners

### DIMENSIONS



MODEL	A	B	C	C2	D	E	ØF	G	H	J	K	L	M	N	Gas Conn.	Oil Conn.
PKA032-035N	750	530	1490	-	355	1208	120	860	860	670	590	40	25	450	1/2" BSP	3/8" BSP
PKA060N	995	700	1680	-	406	1417	150	940	940	915	650	40	25	620	1/2" BSP	3/8" BSP
PKA100-120N	1100	800	2020	-	355	1760	175	1190	1190	1020	800	40	25	720	3/4" BSP	3/8" BSP
PKA140N	1330	920	2080	-	406	1800	175	1155	1155	1250	800	40	25	840	3/4" BSP	3/8" BSP
PKA190N	1460	1060	2230	-	460	1960	250	1190	1190	1380	800	40	25	980	1 1/4" BSP	3/8" BSP
PKA250N	1750	1140	2330	-	460	2040	250	1220	1220	1670	800	40	25	1060	1 1/4" BSP	3/8" BSP
PKA320N	1960	1140	2330	-	460	2040	250	1180	1180	1880	800	40	25	1060	1 1/2" BSP	3/8" BSP
PKA420N	2170	1340	2800	1000	460	2480	300	1440	1440	2070	900	50	25	1240	1 1/2" BSP	3/8" BSP
PKA550N	2600	1340	3170	1290	460	2800	300	1730	1730	2500	1190	50	25	1240	2" BSP	3/8" BSP
PKA700N	2950	1600	3400	1290	600	2880	350	1790	1790	2850	1190	50	25	1500	2 1/2" BSP	3/8" BSP
PKA900N	3550	1700	3750	1420	600	3060	400	1850	1850	3450	1320	50	25	1600	2 1/2" BSP	3/8" BSP

Note: Gas connection sizes shown for standard burners only  
Models 420 to 900 are delivered in two pieces (fan section & heat exchanger section) for site assembly by the installer

### MODEL SPECIFICATIONS

MODEL	OUTPUT RANGE		AIRFLOW M <sup>3</sup> /S	DRIVE 1		DRIVE 2		FUEL CONSUMPTION		APPROX THROW M	WEIGHT KG	NUMBER OF HEADS
	Min kW	Max kW		Pa	Motor kW	Pa	Motor kW	Gas M <sup>3</sup> /h	Oil l/h			
PKA035N	26	32	0.750	150	1 x 0.5	-	-	3.68	3.6	15	160	2
PKA060N	47	56	1.389	120	1 x 1.1	240	1 x 1.5	6.44	6.3	23	220	2
PKA100N	75	92	2.028	150	1 x 1.5	270	1 x 2.2	10.58	10.4	25	295	2
PKA140N	90	120	2.917	140	1 x 3.0	280	1 x 4.0	13.8	13.54	28	420	3
PKA190N	118	185	3.889	150	1 x 3.0	230	1 x 4.0	21.32	20.84	33	510	3
PKA250N	146	230	5.000	130	2 x 2.2	250	2 x 3.0	26.5	25.9	31	710	4
PKA320N	175	281	6.389	210	2 x 3.0	320	2 x 4.0	32.32	31.7	40	780	4
PKA420N	246	364	8.472	180	2 x 5.5	270	2 x 5.5	41.86	41.0	36	1140	6
PKA550N	301	471	11.111	180	2 x 4.0	280	2 x 5.5	54.0	53.0	36	1418	8
PKA700N	375	619	15.000	240	2 x 5.5	350	2 x 7.5	72.0	69.7	50	1833	6
PKA900N	450	792	19.028	260	2 x 7.5	400	2 x 11.0	91.0	89.0	48	2343	6/8

Our policy is one of continual development, and we therefore reserve the right to alter specifications, designs and prices without notice and without incurring obligations. In such cases, corrections will be issued at the earliest opportunity. All goods sold to our official Conditions of Sale, a copy of which may be obtained on application.



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