OFFICE OF THE PURCHASING AGENT
COUNTY OF COOK

118 NORTH CLARK ST. ROOM 1018
CHICAGO, ILLINOIS 60602-1375
(312) 603-5370

THIS PURCHASE ORDER NUMBER MUST APPEAR ON ALL PACKAGES, INVOICES, SHIPPING PAPERS AND DROP SHIPMENTS

DATE
8/23/2012
F.O.B. POINT

PURCHASE ORDER NO.
182651 - 000- OP
REQUISITION NO.
00105411 O7

PURCHASE ORDERED ISSUED TO
817426
National Pump & Compressor
4533 W North Avenue
Melrose Park IL 60160

COOK COUNTY FEIN: 36-6006541
ILLINOIS SALES TAX EXEMPT: E-9998-2013-04
FEDERAL EXCISE TAX EXEMPT CERT: 36-75-D038K

SHIP TO Facilities Management
Criminal Juctice Administration Bldg
2650 S. California Avenue
CHICAGO IL 60608-5145

DELIVERY INSTRUCTIONS
Joe Merkel 773-674-5445

DEPT NO	
71700200	Page 1 of 1

LINE	FURNISH THE FOLLOWING SUPPLIES AND/OR SERVICE	QUANTITY/ UOM	UNIT PRICE	EXTENDED PRICE	ACCOUNT NUMBER
1.00	Air Compressor Quincy remanufactured model R106L, basic air compressor Pump E quipped with a 3way Valve un-loader, fly-wheel, In let air filter and supplied with A reverse rotation head for Discharge opposite the motor, Six month carry-in warranty Parts +n labor Req# 22000609	1.00 EA	1,115.0000	1,115.00	71700200.560411.8300
	*******	Total Order *******		1,115.00	

NOTE: VENDOR AGREES NOT TO EXCEED THE QUANTITY OR DOLLAR AMOUNT OF THIS ORDER WITHOUT WRITTEN AUTHORIZATION FROM THE PURCHASING AGENT

RECEIPT CERTIFICATION (FOR DEPARTMENT USE ONLY)
I hereby certify that I have received the goods/services reflected above and that the items referenced are in full conformity with the purchase order/contract.

Authorized Signature: _____ **Date:** _____

I hereby certify that this purchase is in agreement with the requisition on file authorizing the expenditure and is properly approved. 8/24/12
PURCHASING AGENT **Date:**
María de Lourdes Cerda

Report: R56REQ2

Purchase Requisition

Office of the Purchasing Agent

Cook County of Illinois

Purchase Order Number 182651

Requisition # O7 105411 Contract #

Open Date

Buyer Number 724151 Supervisor 50
Bid/Sole Src Code SSP
Business Unit 71700200
Internal Req Number 22000609
Board Apr Date & Item
Requisition Date 8/23/2012
Date Needed

Ship To: 8000409 Facilities Management
Criminal Juctice Administratio
2650 S. California Avenue
CHICAGO IL 60608-5145

Delivery Instructions:
Joe Merkel
773-674-5445

Supplier: 816066 National Pump & Compressor Ltd
PO Box 21160
Beaumont TX 77720

One Time Purchase ____ Yes ____ No Covers Need for ____months. Specific Period of time _____ thru _____ Prior Contract No. _____ Expiration Date _____ Emergency No. _____

Line #	Commodity	Description	Bal. on Hand	Quantity	UOM	Est. Unit Cost	Extended Cost	Business Unit and Object Account
1.000	670	Air Compressor Quincy remanufactured model R106L, basic air compressor Pump E quipped with a 3way Valve un-loader, fly-wheel, In let air filter and supplied with A reverse rotation head for Discharge opposite the motor, Six month carry-in warranty Parts +n labor Req# 22000609	< >	1.00	EA	1,115.0000	1,115.00	71700200.560411.8300

Total of Items Ordered 1,115.00

RECEIVED
OFFICE OF THE
PURCHASING AGENT
2012 AUG 23 PM 3:23
PROCUREMENT

CERTIFICATION

I hereby certify that the items and/or services above are necessary to this department (or institution) and that the dept. no., account & activity numbers indicated above accurately reflect the specific line item budget appropriation approved by the Board of County Commissioners and there is a sufficient unencumbered balance in the account to grant same.

REQUISITIONER

BUREAU or DEPARTMENT HEAD

8/23/12

CCA

APPROVED BUDGETARY ACCOUNT

ACCT # _____

DATE _____ BY _____

PURCHASING USE ONLY

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE
PRESIDENT

EARLEAN COLLINS	1st Dist.	BRIDGET GAINER	10th Dist.
ROBERT STEELE	2nd Dist.	JOHN P. DALEY	11th Dist.
JERRY BUTLER	3rd Dist.	JOHN A. FRITCHEY	12th Dist.
WILLIAM M. BEAVERS	4th Dist.	LAWRENCE SUFFREDIN	13th Dist.
DEBORAH SIMS	5th Dist.	GREGG GOSLIN	14th Dist.
JOAN P. MURPHY	6th Dist.	TIMOTHY O. SCHNEIDER	15th Dist.
JESUS G. GARCIA	7th Dist.	JEFFREY R. TOBOLSKI	16th Dist.
EDWIN REYES	8th Dist.	ELIZABETH ANN DOODY GORMAN	17th Dist.
PETER N. SILVESTRI	9th Dist.		

DEPARTMENT OF
FACILITIES MANAGEMENT

JIM D'AMICO - DIRECTOR
DEPARTMENT OF FACILITIES MANAGEMENT
George W. Dunne Cook County Office Building
69 W. Washington, Suite 3015
Chicago, Illinois 60602-4053
TEL: 312-603-0340
FAX: 312-603-9990

August 22, 2012

Maria de Lourdes Coss
Purchasing Agent
Room 1018
Cook County Building

Re: 105411
National Pump & Compressor

Dear Mr. Coss,

Please accept this letter as justification for a "**Do Not Substitute**" for requisition #105411. This compressor needs to be compatible with the existing equipment. Because of the time frame and the urgent need of this part, we were only able to acquire one quote.

Your assistance in this matter is appreciated.

Sincerely,

Belinda Henderson
Business Manager
Facilities Management

BH

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE
PRESIDENT

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FAX: 312-603-9990

Small Purchase Request

Date 8-23-12 **Req. #** 22000 609/ 105411 **SPR** _____

Requester Joseph Merkel **Ph. #** 773-674-3117 **Fax #** 773-674-5445

Location DIVISION 17 - OLD CERMACK HOSPITAL

Material/Service Remanufactored Quincy Compressor MODEL # R106L (same as D-106). NEED EXACT COMPRESSOR TO Meet Detailed Building SPECIFICATIONS - *DO NOT SUBSTITUTE *

Is purchase $1000 or more per item **Yes** ✓ **No** ___

Reason material/service: Compressor is INOPERABLE AND IS NEEDED TO MAINTAIN Water pressure in building at correct P.S.I. so Fixtures CAN OPERATE. correctly. Currently A Health ISSUE due to toilets not flushing, Showers not operating, and lav's with Very little water pressure.

Lead time: _____ **Estimated Completion/Delivery:** _____

1. **Vendor** NATIONAL Pump & Compressor **Amount** 1115.
2. **Vendor** _____ **Amount** _____
3. **Vendor** _____ **Amount** _____

Authorized by: [signature] **Date:** 8/24/12

National Pump & Compressor

Rental • Sales • Service
Formerly Cochrane Compressor

4533 West North Ave • Melrose Park, IL. 60160 • Ph: 708-345-0225 • Fax: 708-345-1339

COOK COUNTY GOVERNMENT
118 N. CLARK STREET ROOM 1018
CHICAGO IL. 60602
MR. JOE MERKEL

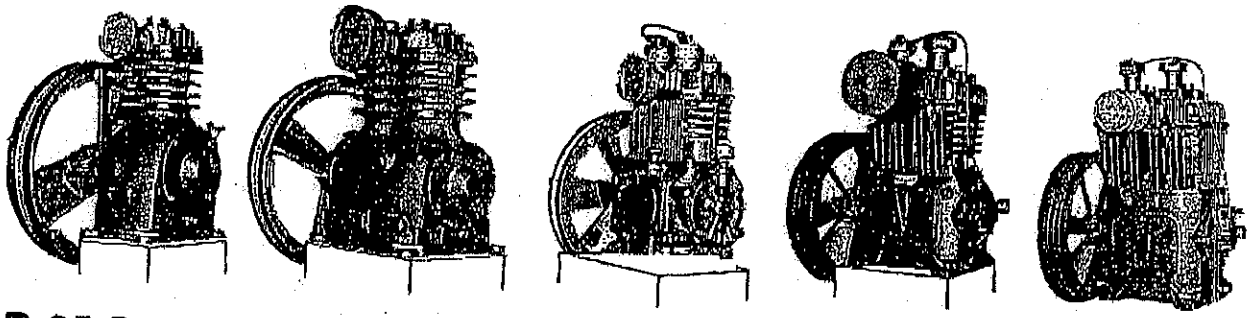
CONTACT MIKE SALINS
PHONE NO. 708-345-0225
EXT. 125

DATE	CUST. ORDER NO.	DATE REQUIRED	SALESMAN	TERMS
8/23/12		3-4 DAYS	#7206	NET 30 DAY
SHIP VIA: WILL CALL		F.O.B.: MELROSE PARK IL.		

QUANTITY	DESCRIPTION	UNIT PRICE	NET AMOUNT
1	QUINCY REMANUFACTURED MODEL R106L, BASIC AIR COMPRESSOR PUMP EQUIPPED WITH A 3WAY VALVE UNLOADER, FLYWHEEL, INLET AIR FILTER AND SUPPLIED WITH A REVERSE ROTATION HEAD FOR DISCHARGE OPPOSITE THE MOTOR, OFFERED ON EXCHANGE FOR OLD CORE. SIX MONTH CARRY-IN WARRANTY PARTS + LABOR	1115.00	

Mike Salins

Inside Sales



QR-25 Series Basic Single-Stage Compressors

Splash Lubricated

Models X2, X8, A4, 106 and 108 have positive splash lubrication system that accurately controls lubrication to all moving parts. Connecting rod dippers assure a constant flow of oil to all parts of the compressor needing lubrication. All models have oversized main tapered roller bearings for added efficiency and longer life. Additional features include large oil reservoir and dust-proof crankcase.

Pressure Lubricated

Models 206, 210, 214 are designed to operate in a counter clockwise rotation only. Lubrication is by a positive vane type oil pump. The **manually** reversible gerotor oil pump found on models 216, 230, 240, 255 and 4125 permits operation either counter clockwise or clockwise.

SPECIFICATIONS—SPLASH LUBRICATED

MODEL	MOTOR OR ENG. H.P.	CU. FT. DISPL. MIN.	CU. FT. FREE AIR MIN.	OPER. PRESS. PSI	SIZE BORE & STROKE INCHES	OPER. SPEED R.P.M.	APPROX. SHIPPING WT.-LBS.
X2-8	¼	1.66	1.05	100	2×1¾	520	17
	½	2.60	1.80	100	2×1¾	890	17
X2-10	¼	1.80	1.20	100	2×1¾	570	17
	½	2.80	1.80	100	2×1¾	890	17
X8	1	5.23	3.32	100	2½×2	610	38
	1½	8.40	5.87	100	2½×2	810	38
A4	¼	2.80	1.56	100	2⅛×2½	400	65
	¾	4.83	2.67	100	2⅛×2½	680	65
106	½	3.10	1.89	100	2⅛×2½	440	95
	¾	4.44	2.70	100	2⅛×2½	630	95
108	1	6.00	3.97	100	3×2⅛	580	105
	1½	8.69	5.75	100	3×2⅛	850	105

NOTE: Performance data is based on maximum 110% motor load on integral H.P. sizes.

ONE & TWO CYLINDER MODELS

SPECIFICATIONS—PRESSURE LUBRICATED

MODEL	MOTOR OR ENG. H.P.	CU. FT. DISPL. MIN.	CU. FT. FREE AIR MIN.	OPER. PRESS. PSI	SIZE BORE & STROKE INCHES	OPER. SPEED R.P.M.	APPROX. SHIPPING WT.-LBS.
206	¼	3.31	1.79	100	2×2	450	63
	¾	4.62	2.50	100	2×2	630	63
210	1	6.78	3.80	100	2⅛×2	510	63
	1½	8.75	5.85	100	2⅛×2	770	63
214	2	10.90	6.66	100	2⅛×2	770	70
216	2	12.66	7.35	100	3×2⅛	620	145
	3	16.41	10.68	100	3×2⅛	900	145
230	3	21.00	12.60	100	3⅛×3	680	235
	5	30.00	18.00	100	3⅛×3	900	235
240	5	34.03	19.74	100	4×3	780	235
255	7½	52.83	30.11	100	4⅛×3⅛	820	375

NOTE: Performance data is based on maximum 110% motor load on integral H.P. sizes.

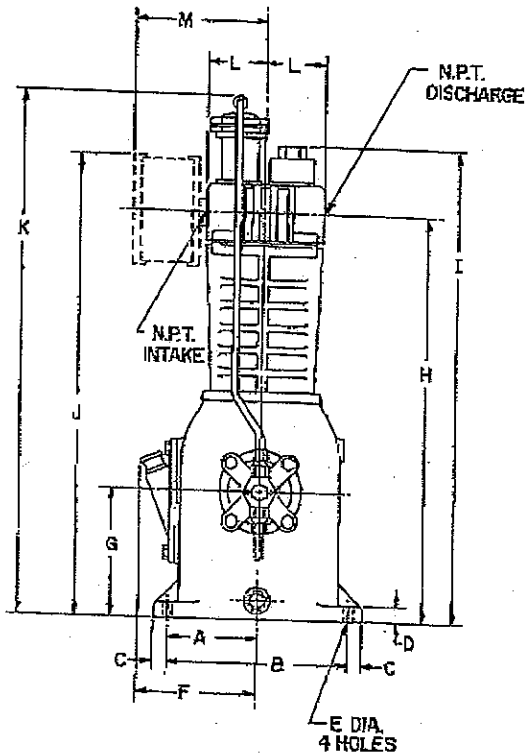
Two Cylinder Models

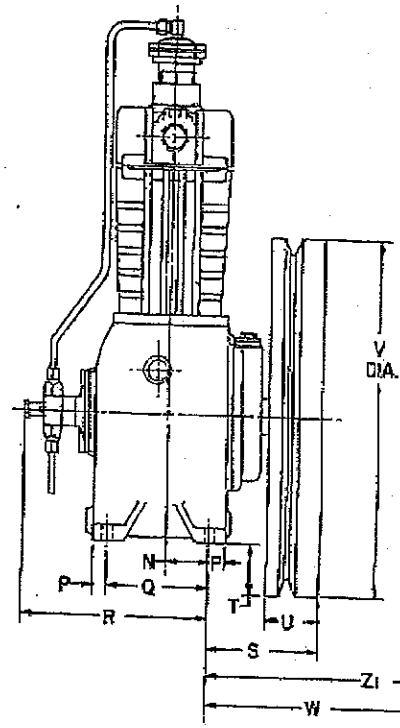
MODEL	MOTOR OR ENG. H.P.	CU. FT. DISPL. MIN.	CU. FT. FREE AIR MIN.	OPER. PRESS. PSI	SIZE BORE & STROKE INCHES	OPER. SPEED R.P.M.	APPROX. SHIPPING WT.-LBS.
4125	15	107.50	62.80	100	4½×4	730	800
	20	139.42	80.98	100	4½×4	940	800

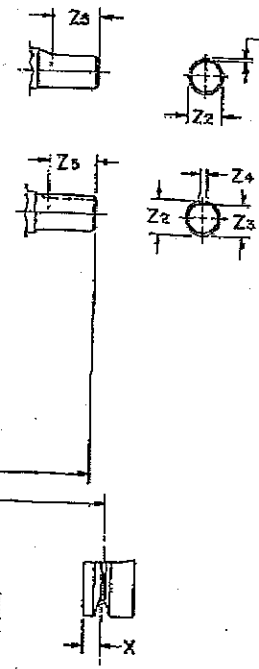
NOTE: Performance data is based on maximum 110% motor load on integral H.P. sizes.

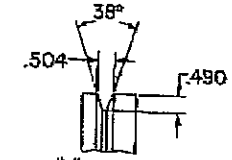
Four Cylinder Model

NOTE: UNIT WILL HAVE A REVERSE HEAD

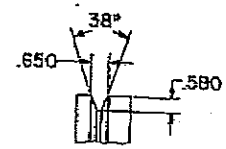








"A" SECTION
BELT GROOVE
X2, X3, A4



"B" SECTION
BELT GROOVE
106, 108

NOTE :
DIMENSIONS FOR X2, X3, AND A4 ARE FOR PLAIN VALVE MACHINES.

LEGEND

MODEL	SIZE	N.P.T. INTAKE	N.P.T. DISCHARGE	A	B	C	D	E	F	G	H	I	J	K	L	M
X2	2 x 1 3/4	1/4	1/4	2.56	5.12	.31	.38	.34	2.72	3.19	9.00	9.41	10.03	10.16	1.41	2.72
X3	2 3/8 x 1 3/4	1/4	1/4	2.56	5.12	.31	.38	.34	2.72	3.19	9.50	9.91	10.53	10.56	1.41	2.72
A4	2 1/2 x 2 1/2	1/2	1/2	3.69	7.38	.66	.62	.41	5.02	5.00	13.31	16.03	14.81	15.97	2.75	4.56
106	2 1/2 x 2 1/2	3/4	3/4	3.69	7.38	.56	.62	.41	5.02	5.00	15.41	18.06	17.66	19.85	2.38	5.82
108	3 x 2 1/2	3/4	3/4	3.69	7.38	.56	.62	.41	5.02	5.00	15.41	18.06	17.66	19.85	2.38	5.82

LEGEND

MODEL	N	P	Q	R	S	T	U	V	W	X	Y	Z1	Z2	Z3	Z4	Z5
X2	1.69	.31	3.38	4.31	2.12	.81	.88	8.00	1.69	.44	N/A	2.62	[illegible]	N/A	N/A	.85
X3	1.69	.31	3.38	4.31	2.72	1.81	1.50	10.00	1.97	.75	N/A	2.62	[illegible]	N/A	N/A	.85
A4	1.81	.62	4.19	5.62	4.12	.81	1.25	11.62	3.50	.62	N/A	4.19	1.240 / 1.235	.985 / .980	.260 / .255	1.41
106	1.81	.62	4.19	7.66	4.31	2.00	2.19	14.00	3.00	.88	N/A	4.19	1.240 / 1.235	.985 / .980	.260 / .255	1.41
108	1.81	.62	4.19	7.66	4.31	2.00	3.00	14.00	2.41	1.09	N/A	4.19	1.240 / 1.235	.985 / .980	.260 / .255	1.41

DIMENSIONS OF AIR COOLED
STANDARD SINGLE STAGE
SINGLE CYLINDER COMPRESSORS

EUA1273

→ DETAILED SPECIFICATIONS ←
MEDICAL BUILDING
HOUSE OF CORRECTION
CHICAGO, ILLINOIS

PAUL GERHARDT, JR.
CITY ARCHITECT

PLUMBING

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PLUMBING

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between 6" from top to 6" from bottom of tank. There shall be a 2" valved drain on the tank, and air and water pipe connections and flanges for the pressure controller.

AIR COMPRESSOR

Shall be one Model D-106 Quincy Compressor driven by a 1/2 horsepower motor. It shall have capacity to delivery 3.4 cfm at 100 psi. Provide an air filter and intake muffler and automatic unloader so the compressor shall start unloaded.

Provide a safety valve set at 90 psi.

The compressor and motor shall be mounted on a common structural steel base, bolted to a 12" high concrete foundation. Provide a flexible metal joint (Flexonics, Inc.) in the discharge pipe between the compressor and the tank. Piping shall be Schedule 40 galvanized steel, and there shall be a check valve and a gate valve downstream from the check valve, in this line.

BOOSTER PUMPS

1. For supply of cold water to the building above the ground story and for supply of hot water throughout the building shall be duplicate American-Marsh #CS 3324 - 2" HIM bronze fitted horizontal split case centrifugal pumps having stainless steel shafts, each connected through a flexible coupling to a 15 horsepower 1750 rpm motor mounted on a heavy cast iron bed plate common to the pump and motor. Each shall deliver 160 GPM at 141 feet total head.